

# Haemostasis Antibodies

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The study of haemostasis and thrombosis has become one of the most rapidly growing fields in medical research. An unprecedented amount of research is currently focused on the study of the regulatory mechanisms involved in blood clot formation, subsequent lysis, and potential pharmacological intervention of these processes. Cedarlane offers a complete line of antibodies to haemostasis related antigens. The high quality and purity of these antibodies make them valuable tools for applications including ELISA, immunohistochemistry, immunoblotting (Western blot) and immunoprecipitation techniques (including immunodiffusion and rocket immunoelectrophoresis).

**NEW!** Cedarlane offers an expanding range of new monoclonal antibodies to various haemostasis related antigens, providing customers a more comprehensive array of tools for the study of haemostasis and thrombosis. These antibodies have been tested for suitability for use in Western Blotting and ELISA.

## Featured Antibodies

Specificity	Format	Clone	Isotype	Species Reactivity	Application	Size	Cat #	Price \$
Factor VII/VIIA	Purified	AA-3	mouse IgG1	Human	E, WB	200 µg	<b>CL2763AP</b>	259
Factor VII/VIIA	Biotin	AA-3	mouse IgG1	Human	E, WB	100 µg	<b>CL2763B</b>	199
Factor VII/VIIa	Purified	AD-1	mouse IgG1	Human	E, WB	200 µg	<b>CL2764AP</b>	259
Factor VII/VIIa	Biotin	AD-1	mouse IgG1	Human	E, WB	100 µg	<b>CL2764B</b>	199
Factor VII/VIIa (Calcium Dependent)	Purified	CaFVII-22	mouse IgG1	Human	E, WB	200 µg	<b>CL2762AP</b>	259
Factor VII/VIIa (Calcium Dependent)	Biotin	CaFVII-22	mouse IgG1	Human	E, WB	100 µg	<b>CL2762B</b>	199
Factor IX/IXa (Calcium Dependent)	Purified	CaFIX-1	mouse IgG1	Human	E, WB	200 µg	<b>CL2765AP</b>	259
Factor IX/IXa (Calcium Dependent)	Biotin	CaFIX-1	mouse IgG1	Human	E, WB	100 µg	<b>CL2765B</b>	199
Factor X/Xa (Calcium Dependent)	Purified	CaFX-50	mouse IgG1	Human	E, WB	200 µg	<b>CL2768AP</b>	259
Factor X/Xa (Calcium Dependent)	Biotin	CaFX-50	mouse IgG1	Human	E, WB	100 µg	<b>CL2768B</b>	199
Platelet Factor 4	Purified	RTO	mouse IgG2b	Human	E, WB	200 µg	<b>CL2766AP</b>	259
Platelet Factor 4	Biotin	RTO	mouse IgG2b	Human	E, WB	100 µg	<b>CL2766B</b>	199
Platelet Factor 4 (requires heparin for binding)	Purified	KKO	mouse IgG2b	Human	E, WB	200 µg	<b>CL2767AP</b>	259
Platelet Factor 4 (requires heparin for binding)	Biotin	KKO	mouse IgG2b	Human	E, WB	100 µg	<b>CL2767B</b>	199
Protein C/APC (Calcium Dependent)	Purified	CaC-11	mouse IgG1	Human	E, WB	200 µg	<b>CL2769AP</b>	259
Proteinase Inhibitor 8	Purified	anti-PI8K	mouse IgG1	Human	E, WB	200 µg	<b>CL2770AP</b>	259
Prothrombin (Calcium Dependent)	Purified	CaPro-20	mouse IgG1	Human	E, WB	200 µg	<b>CL2761AP</b>	259
Prothrombin (Calcium Dependent)	Biotin	CaPro-20	mouse IgG1	Human	E, WB	100 µg	<b>CL2761B</b>	199

**Legend for Applications:** AC=Affinity Chromatography AGG=Agglutination C=Cryostat Sections CT=Cytotoxicity Assay D=Depletion E=ELISA EC=ELISA (Capture) ED=ELISA (Detection) F=Flow Cytometry FN=Functional Assay IC=Immunocytochemistry ID=Immunodiffusion IF=Immunofluorescence IP=Immunoprecipitation IV=In vivo Assay N=Neutralization P=Paraffin-Embedded Sections R=RIA WB=Western Blotting

## Cedarlane's Buffer Pack

**NEW!** Cat # **CL20300** Price (USD): \$ 239.00

Cedarlane's Buffer Pack for Haemostasis Paired Antibodies consists of assay plates, general purpose buffers and materials for the preparation and performance of ELISA assays. This Buffer Pack provides sufficient reagents for 5 x 96 well assays. The components of the Buffer Pack can be used in the development of in-house immunoassays and are especially suited for use with a number of Cedarlane's paired antibody sets, including the following:

CL20067K	CL20067K-RB	CL20111K	CL20225K	CL20030K	CL20403K	CL20245K	CL20250K	CL20055K
CL20057K	CL20096K	CL20106K	CL20295K	CL20201K	CL20220K	CL20086K	CL20003K	CL20002K
CL20027K	CL20090K	CL20200K	CL20116K	CL20017K	CL20048K	CL20049K	CL20087K	

## Working concentrations for ELISA and Immunoblotting applications

General recommendations only and may not apply to all products listed. For more information, please contact [tech@cedarlanelabs.com](mailto:tech@cedarlanelabs.com) or your local distributor.

Format	Immunoblotting (ECL detection)	ELISA (capture)	ELISA (detecting)
Purified (Whole IgG)	5-25 µg/ml	20-50 µg/ml	NA
Affinity Purified	0.5-5 µg/ml	10 µg/ml	NA
HRPO (Peroxidase-labelled IgG)	5 µg/ml	NA	10 µg/ml
HRPO (Aff. Pur. Peroxidase-labelled IgG)	1 µg/ml	NA	2 µg/ml

## Haemostasis Antibodies

Specificity	Format	Clone	Isotype	Species Reactivity	Application	Size	Cat #	Price \$
α1-Antitrypsin	Purified		sheep IgG	Human	IP	10 mg	CL20000A	96
α1-Antitrypsin	Affinity Purified		sheep IgG	Human	E	0.5 mg	CL20000AP	184
α1-Antitrypsin	HRPO (Affinity Pur)		sheep IgG	Human	E	0.1 mg	CL20000APHP	162
α1-Antitrypsin	Purified		goat IgG	Human	IP	10 mg	CL20001A	108
α1-Antitrypsin	Affinity Purified		goat IgG	Human	E	0.5 mg	CL20001AP	184
α2-Antiplasmin	Purified		goat IgG	Human	IP, D	5 mg	CL20005A	136
α2-Antiplasmin	Affinity Purified		goat IgG	Human	E	0.5 mg	CL20005AP	262
α2-Antiplasmin	HRPO		goat IgG	Human	E	0.2 mg	CL20005HP	209
α2-Antiplasmin	Purified		sheep IgG	Human	E	10 mg	CL20006A	146
α2-Macroglobulin	Purified		goat IgG	Human	IP	10 mg	CL20010A	96
α2-Macroglobulin	Affinity Purified		goat IgG	Human	E, WB	0.5 mg	CL20010AP	184
α2-Macroglobulin	HRPO (Affinity Pur)		goat IgG	Human	E, WB	0.1 mg	CL20010APHP	162
Antithrombin III	Inhibitor and Control Antibodies			Human	N	10 det	CL20007N	116
Antithrombin III	Purified		sheep IgG	Human	N, D, IP	10 mg	CL20015A	80
Antithrombin III	Affinity Purified		sheep IgG	Human	E, WB, IP	0.5 mg	CL20015AP	209
Antithrombin III	HRPO (Affinity Pur)		sheep IgG	Human	E, WB	0.1 mg	CL20015APHP	186
Antithrombin III	Biotin		sheep IgG	Human	E, WB	0.1 mg	CL20015B	186
Antithrombin III	FITC		sheep IgG	Human	IF	0.1 mg	CL20015F	186
Antithrombin III	Purified		goat IgG	Human	IP, N, D	10 mg	CL20016A	96
Antithrombin III	Affinity Purified		goat IgG	Human	E, IP	0.5 mg	CL20016AP	236
Antithrombin III	Purified		sheep IgG	Rabbit	E, IP	10 mg	CL20018A-RB	117
Antithrombin III	Affinity Purified		sheep IgG	Rabbit	E, IP	0.5 mg	CL20018AP-RB	249
Antithrombin III	HRPO		sheep IgG	Rabbit	E	0.2 mg	CL20018HP-RB	209
Complement Component C1 Esterase Inhibitor (C1 Inactivator)	Purified		goat IgG	Human	IP	5 mg	CL20023A	162
Complement Component C1 Esterase Inhibitor (C1 Inactivator)	Affinity Purified		goat IgG	Human	E, IP	0.5 mg	CL20023AP	292
Complement Component C1 Esterase Inhibitor (C1 Inactivator)	HRPO		goat IgG	Human	E	0.2 mg	CL20023HP	209
Factor H	Purified	OX-24	mouse IgG1	Human	E	250 µg	CL7672AP	200
Factor H	Biotin	OX-24	mouse IgG1	Human	E	100 µg	CL7672B	115
Factor H	FITC	OX-24	mouse IgG1	Human	E	100 µg	CL7672F	126

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## Haemostasis Antibodies (continued)

Specificity	Format	Clone	Isotype	Species Reactivity	Application	Size	Cat #	Price \$
Factor IX	Purified		sheep IgG	Human	E	10 mg	<b>CL20039A</b>	136
Factor IX	Affinity Purified		sheep IgG	Human	EC	0.5 mg	<b>CL20039AP</b>	249
Factor IX	HRPO (Affinity Pur)		sheep IgG	Human	E	0.1 mg	<b>CL20039APHP</b>	182
Factor IX	Purified		goat IgG	Human	IP, D, WB	10 mg	<b>CL20040A</b>	122
Factor IX	Affinity Purified		goat IgG	Human	E	0.5 mg	<b>CL20040AP</b>	249
Factor IX	HRPO (Affinity Pur)		goat IgG	Human	E, WB	0.1 mg	<b>CL20040APHP</b>	182
Factor IX	Biotin		goat IgG	Human	E, WB	0.1 mg	<b>CL20040B</b>	182
Factor IX	FITC		goat IgG	Human	IF	0.1 mg	<b>CL20040F</b>	182
Factor IX	HRPO		goat IgG	Human	E, WB	0.2 mg	<b>CL20040HP</b>	182
Factor IX/IXa (Calcium Dependent)	Purified	CaFIX-1	mouse IgG1	Human	E, WB	200 µg	<b>CL2765AP</b>	259
Factor IX/IXa (Calcium Dependent)	Biotin	CaFIX-1	mouse IgG1	Human	E, WB	100 µg	<b>CL2765B</b>	199
Factor V	Purified		sheep IgG	Bovine	IP, D	10 mg	<b>CL20025A-B</b>	136
Factor V	Affinity Purified		sheep IgG	Bovine	WB	0.5 mg	<b>CL20025AP-B</b>	249
Factor V	HRPO		sheep IgG	Bovine	E	0.2 mg	<b>CL20025HP-B</b>	209
Factor V	Purified		sheep IgG	Human	IP, N, D, WB	10 mg	<b>CL20025A</b>	136
Factor V	Affinity Purified		sheep IgG	Human	EC	0.5 mg	<b>CL20025AP</b>	317
Factor V	Biotin		sheep IgG	Human	E	0.1 mg	<b>CL20025B</b>	209
Factor V	FITC		sheep IgG	Human	IF	0.1 mg	<b>CL20025F</b>	209
Factor V	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20025HP</b>	209
Factor VII	Purified		sheep IgG	Human	IP, N, D	10 mg	<b>CL20030A</b>	136
Factor VII	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20030AP</b>	257
Factor VII	Biotin		sheep IgG	Human	E	0.1 mg	<b>CL20030B</b>	209
Factor VII	FITC		sheep IgG	Human	IF	0.1 mg	<b>CL20030F</b>	209
Factor VII	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20030HP</b>	209
Factor VII/VIIa	Purified	AA-3	mouse IgG1	Human	E, WB	200 µg	<b>CL2763AP</b>	259
Factor VII/VIIa	Biotin	AA-3	mouse IgG1	Human	E, WB	100 µg	<b>CL2763B</b>	199
Factor VII/VIIa	Purified	AD-1	mouse IgG1	Human	E, WB	200 µg	<b>CL2764AP</b>	259
Factor VII/VIIa	Biotin	AD-1	mouse IgG1	Human	E, WB	100 µg	<b>CL2764B</b>	199
Factor VII/VIIa (Calcium Dependent)	Purified	CaFVII-22	mouse IgG1	Human	E, WB	200 µg	<b>CL2762AP</b>	259
Factor VII/VIIa (Calcium Dependent)	Biotin	CaFVII-22	mouse IgG1	Human	E, WB	100 µg	<b>CL2762B</b>	199
Factor VIII.vWF (Non-reactive with rat)	Ascites	2F2-A9	mouse IgG1	Human	IF, C, P, R	0.5 ml	<b>CL1303A</b>	299
Factor VIII:C (Non-reactive with mouse)	Purified		sheep IgG	Human	E, IP, N, ID	10 mg	<b>CL20035A</b>	136
Factor VIII:C (Non-reactive with mouse)	Affinity Purified		sheep IgG	Human	E, N, WB	0.5 mg	<b>CL20035AP</b>	317
Factor VIII:C (Non-reactive with mouse)	Biotin		sheep IgG	Human	E	0.1 mg	<b>CL20035B</b>	209
Factor VIII:C (Non-reactive with mouse)	FITC		sheep IgG	Human	IF	0.1 mg	<b>CL20035F</b>	209
Factor VIII:C (Non-reactive with mouse)	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20035HP</b>	209
Factor X	Purified		goat IgG	Human	IP, ID	10 mg	<b>CL20045A</b>	122
Factor X	Affinity Purified		goat IgG	Human	EC	0.5 mg	<b>CL20045AP</b>	249
Factor X	HRPO		goat IgG	Human	ED	0.2 mg	<b>CL20045HP</b>	182
Factor X	HRPO		rabbit IgG	Human	WB	0.2 mg	<b>CL20046HP</b>	209
Factor X	Affinity Purified		sheep IgG	Human	EC	0.5 mg	<b>CL20047AP</b>	249

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## Haemostasis Antibodies (continued)

Specificity	Format	Clone	Isotype	Species Reactivity	Application	Size	Cat #	Price \$
Factor X	Biotin		sheep IgG	Human	EC	0.1 mg	<b>CL20047B</b>	182
Factor X	FITC		sheep IgG	Human	IF	0.1 mg	<b>CL20047F</b>	182
Factor X/Xa (Calcium Dependent)	Purified	CaFX-50	mouse IgG1	Human	E, WB	200 µg	<b>CL2768AP</b>	259
Factor X/Xa (Calcium Dependent)	Biotin	CaFX-50	mouse IgG1	Human	E, WB	100 µg	<b>CL2768B</b>	199
Factor XI	Purified		goat IgG	Human	IP, N, D, WB	5 mg	<b>CL20050A</b>	136
Factor XI	Affinity Purified		goat IgG	Human	E	0.5 mg	<b>CL20050AP</b>	257
Factor XI	Biotin		goat IgG	Human	E	0.1 mg	<b>CL20050B</b>	209
Factor XI	FITC		goat IgG	Human	IF	0.1 mg	<b>CL20050F</b>	209
Factor XI	HRPO		goat IgG	Human	E, WB	0.2 mg	<b>CL20050HP</b>	182
Factor XI	Purified		sheep IgG	Human	IP	5 mg	<b>CL20051A</b>	136
Factor XI	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20051AP</b>	257
Factor XII	Purified		sheep IgG	Human	IP, D	5 mg	<b>CL20054A</b>	136
Factor XII	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20054AP</b>	262
Factor XII	Purified		goat IgG	Human	IP, N, D	5 mg	<b>CL20055A</b>	136
Factor XII	Affinity Purified		goat IgG	Human	E	0.5 mg	<b>CL20055AP</b>	262
Factor XII	HRPO		goat IgG	Human	E, WB	0.2 mg	<b>CL20055HP</b>	182
Factor XIII	Purified		sheep IgG	Human	IP, D	10 mg	<b>CL20057A</b>	136
Factor XIII	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20057HP</b>	209
Factor XIII (A subunit)	Purified		sheep IgG	Human	IP, D	10 mg	<b>CL20056A</b>	136
Factor XIII (A subunit)	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20056AP</b>	268
Factor XIII (A subunit)	Biotin		sheep IgG	Human	E	0.1 mg	<b>CL20056B</b>	209
Factor XIII (A subunit)	FITC		sheep IgG	Human	IF	0.1 mg	<b>CL20056F</b>	209
Factor XIII (A subunit)	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20056HP</b>	209
Fibrin fragment E	Purified		sheep IgG	Human	IP	10 mg	<b>CL20065A</b>	122
Fibrin fragment E	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20065HP</b>	182
Fibrinogen	Ascites	2C2-G7	mouse IgG1	Human	FN, E, WB, R	0.5 ml	<b>CL1302A</b>	299
Fibrinogen	Purified		sheep IgG	Human	P, WB, ID, IP	10 mg	<b>CL20067A</b>	122
Fibrinogen	Affinity Purified		sheep IgG	Human	EC, WB	0.5 mg	<b>CL20067AP</b>	162
Fibrinogen	HRPO (Affinity Purified)		sheep IgG	Human	E	0.1 mg	<b>CL20067APHP</b>	182
Fibrinogen	HRPO		sheep IgG	Human	E, P	0.2 mg	<b>CL20067HP</b>	182
Fibrinogen	Purified		sheep IgG	Rabbit	IP, P	10 mg	<b>CL20067A-RB</b>	122
Fibrinogen	Affinity Purified		sheep IgG	Rabbit	E, P	0.5 mg	<b>CL20067AP-RB</b>	209
Fibrinogen	HRPO		sheep IgG	Rabbit	E, P	0.2 mg	<b>CL20067HP-RB</b>	182
Fibrinogen gamma prime (gamma 408-427 specific) (Peak 2 Fibrinogen)	Purified		sheep IgG	Human	E	5 mg	<b>CL20075A</b>	122
Fibrinogen gamma prime (gamma 408-427 specific) (Peak 2 Fibrinogen)	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20075HP</b>	182
Fibrinopeptide A (FPA:A 1-16 specific)	Purified		sheep IgG	Human	E	10 mg	<b>CL20068A</b>	203
Fibrinopeptide A (FPA:A 1-16 specific)	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20068AP</b>	317
Fibrinopeptide A (FPA:A 1-16 specific)	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20068HP</b>	317
Fibronectin	Ascites	2B6-F9	mouse IgG1	Human	WB, E, R	0.5 ml	<b>CL1301A</b>	299
Fibronectin	Purified		rabbit IgG	Mouse	IFA, IHC, E, (SP) RIA, IB/WB	0.5 ml	<b>CL54951AP</b>	367

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## Haemostasis Antibodies (continued)

Specificity	Format	Clone	Isotype	Species Reactivity	Application	Size	Cat #	Price \$
Fibronectin	Purified		rabbit IgG	Human	E	0.5 ml	<b>CL54911AP</b>	182
Glycoprotein IIb/IIIa	Purified		sheep IgG	Human	WB	10 mg	<b>CL20069A</b>	162
Heparin Cofactor-II	Purified		goat IgG	Human	IP, N	5 mg	<b>CL20070A</b>	136
Heparin Cofactor-II	Affinity Purified		goat IgG	Human	E, WB	0.5 mg	<b>CL20070AP</b>	262
Heparin Cofactor-II	HRPO (Affinity Pur)		goat IgG	Human	E, WB	0.1 mg	<b>CL20070APHP</b>	186
Heparin Cofactor-II	Inhibitor and Control Antibodies			Human	N	10 det	<b>CL20072N</b>	116
Hirudin (Leech)	Purified		sheep IgG	Human	IP, D, N	10 mg	<b>CL20073A</b>	136
Hirudin (Leech)	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20073AP</b>	262
Hirudin (Leech)	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20073HP</b>	194
Kininogen	Purified		sheep IgG	Human	IP	10 mg	<b>CL20027A</b>	136
Kininogen	Affinity Purified		sheep IgG	Human	IP	0.5 mg	<b>CL20027AP</b>	243
Kininogen	HRPO (Affinity Pur)		sheep IgG	Human	E	0.1 mg	<b>CL20027APHP</b>	182
KLK14	Serum (Affinity Pur)		rabbit IgG	Human	E	100 µg	<b>CLAS06-101</b>	494
Neutrophil Elastase	Purified		sheep IgG	Human	IP	10 mg	<b>CL20080A</b>	122
Neutrophil Elastase	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20080AP</b>	229
Neutrophil Elastase	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20080HP</b>	194
Plasminogen	Purified		goat IgG	Human	IP	5 mg	<b>CL20085A</b>	101
Plasminogen	Affinity Purified		goat IgG	Human	E, IP	0.5 mg	<b>CL20085AP</b>	182
Plasminogen	HRPO (Affinity Pur)		goat IgG	Human	E, WB	0.1 mg	<b>CL20085APHP</b>	162
Plasminogen	Purified		sheep IgG	Human	IP	5 mg	<b>CL20087A</b>	101
Plasminogen	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20087AP</b>	182
Plasminogen Activator Inhibitor Type 1	Purified		sheep IgG	Human	E, IP	10 mg	<b>CL20140A</b>	141
Plasminogen Activator Inhibitor Type 1	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20140HP</b>	230
Platelet Factor 4	Purified		sheep IgG	Human	IP	10 mg	<b>CL20145A</b>	136
Platelet Factor 4	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20145AP</b>	262
Platelet Factor 4	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20145HP</b>	209
Platelet Factor 4	Purified	RTO	mouse IgG2b	Human	E, WB	200 µg	<b>CL2766AP</b>	259
Platelet Factor 4	Biotin	RTO	mouse IgG2b	Human	E, WB	100 µg	<b>CL2766B</b>	199
Platelet Factor 4 (requires heparin for binding)	Purified	KKO	mouse IgG2b	Human	E, WB	200 µg	<b>CL2767AP</b>	259
Platelet Factor 4 (requires heparin for binding)	Biotin	KKO	mouse IgG2b	Human	E, WB	100 µg	<b>CL2767B</b>	199
Prekallikrein	Purified		sheep IgG	Human	IP, D, N	10 mg	<b>CL20090A</b>	136
Prekallikrein	Affinity Purified		sheep IgG	Human	IP, D, N	0.5 mg	<b>CL20090AP</b>	243
Prekallikrein	HRPO (Affinity Pur)		sheep IgG	Human	E	0.1 mg	<b>CL20090APHP</b>	182
Protein C	Purified		goat IgG	Human	IP, D	5 mg	<b>CL20095A</b>	136
Protein C	Affinity Purified		goat IgG	Human	E	0.5 mg	<b>CL20095AP</b>	265
Protein C	Purified		sheep IgG	Human	IP, D	10 mg	<b>CL20096A</b>	136
Protein C	Affinity Purified		sheep IgG	Human	E, WB, C	0.5 mg	<b>CL20096AP</b>	257
Protein C	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20096HP</b>	182
Protein C	Purified		mouse IgG	Human	E, WB	0.5 mg	<b>CL20098A</b>	254
Protein C Inhibitor	Purified		goat IgG	Human	IP, D	10 mg	<b>CL20100A</b>	136

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## Haemostasis Antibodies (continued)

Specificity	Format	Clone	Isotype	Species Reactivity	Application	Size	Cat #	Price \$
Protein C Inhibitor	Affinity Purified		goat IgG	Human	E	0.5 mg	<b>CL20100AP</b>	262
Protein C Inhibitor	HRPO		goat IgG	Human	E	0.2 mg	<b>CL20100HP</b>	262
Protein C/APC (Calcium Dependent)	Purified	CaC-11	mouse IgG1	Human	E, WB	200 µg	<b>CL2769AP</b>	259
Protein S	Purified		sheep IgG	Human	IP, E, D	10 mg	<b>CL20105A</b>	136
Protein S	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20105AP</b>	257
Protein S	HRPO		sheep IgG	Human	E, WB	0.2 mg	<b>CL20105HP</b>	182
Protein S	Purified		goat IgG	Human	IP	5 mg	<b>CL20106A</b>	136
Protein S	HRPO		goat IgG	Human	E, WB	0.2 mg	<b>CL20106HP</b>	136
Protein Z	Purified		sheep IgG	Human	IP	10 mg	<b>CL20107A</b>	154
Protein Z	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20107AP</b>	317
Protein Z	HRPO		sheep IgG	Human	E	0.2 µg	<b>CL20107HP</b>	209
Proteinase Inhibitor 8	Purified	anti-PI8K	mouse IgG1	Human	E, WB	200 µg	<b>CL2770AP</b>	259
Prothrombin (Calcium Dependent)	Purified	CaPro-20	mouse IgG1	Human	E, WB	200 µg	<b>CL2761AP</b>	259
Prothrombin (Calcium Dependent)	Biotin	CaPro-20	mouse IgG1	Human	E, WB	100 µg	<b>CL2761B</b>	199
Prothrombin (Factor II)	Purified		sheep IgG	Human	IP, D, WB	10 mg	<b>CL20110A</b>	101
Prothrombin (Factor II)	Affinity Purified		sheep IgG	Human	E, WB	0.5 mg	<b>CL20110AP</b>	209
Prothrombin (Factor II)	HRPO		sheep IgG	Human	E, WB	0.2 mg	<b>CL20110HP</b>	209
Prothrombin (Factor II), Fragment I	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20111AP</b>	262
Prothrombin (Factor II), Fragment II	Affinity Purified		sheep IgG	Human	E, WB	0.5 mg	<b>CL20112AP</b>	249
rpro-Kallikrein 5 (hk5)	Serum		rabbit IgG	Human	WB	200 µl	<b>CLAS06-103</b>	450
β2 Glycoprotein-I (Apolipoprotein-H)	Purified		goat IgG	Human	IP	5 mg	<b>CL20021A</b>	154
β2 Glycoprotein-I (Apolipoprotein-H)	Affinity Purified		goat IgG	Human	E, WB	0.5 mg	<b>CL20021AP</b>	249
β2 Glycoprotein-I (Apolipoprotein-H)	HRPO		goat IgG	Human	E	0.2 mg	<b>CL20021HP</b>	199
Thrombin	Purified		sheep IgG	Bovine	IP	10 mg	<b>CL20121A-B</b>	115
Thrombin	Affinity Purified		sheep IgG	Bovine	E, WB	0.5 mg	<b>CL20121AP-B</b>	268
Thrombin	HRPO		sheep IgG	Bovine	E, WB	0.2 mg	<b>CL20121HP-B</b>	209
Thrombin	Purified		sheep IgG	Rabbit	IP	10 mg	<b>CL20121A-RB</b>	125
Thrombin	Affinity Purified		sheep IgG	Rabbit	E, WB	0.5 mg	<b>CL20121AP-RB</b>	275
Thrombin	HRPO		sheep IgG	Rabbit	E, WB	0.2 mg	<b>CL20121HP-RB</b>	214
Thrombin (Factor IIa)	Affinity Purified		sheep IgG	Human	E, WB	0.5 mg	<b>CL20119AP</b>	268
Thrombin (Factor IIa)	Purified		sheep IgG	Human	IP, N, WB	10 mg	<b>CL20120A</b>	115
Thrombin (Factor IIa)	Biotin		sheep IgG	Human	WB	0.1 mg	<b>CL20120B</b>	209
Thrombin (Factor IIa)	FITC		sheep IgG	Human	IF	0.1 mg	<b>CL20120F</b>	209
Thrombin (Factor IIa)	HRPO		sheep IgG	Human	E, WB	0.2 mg	<b>CL20120HP</b>	209
Thrombin Activatable Fibrinolysis Inhibitor (TAFI)	Purified		sheep IgG	Human	D	10 mg	<b>CL20125A</b>	136
Thrombin Activatable Fibrinolysis Inhibitor (TAFI)	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20125AP</b>	262
Thrombin Activatable Fibrinolysis Inhibitor (TAFI)	HRPO		sheep IgG	Human	E	0.2mg	<b>CL20125HP</b>	209
Tissue Factor	Purified		sheep IgG	Human	WB, E	10 mg	<b>CL20150A</b>	154
Tissue Factor	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20150HP</b>	182

**Legend for Applications:** AC=Affinity Chromatography AGG=Agglutination C=Cryostat Sections CT=Cytotoxicity Assay D=Depletion E=ELISA EC=ELISA (Capture) ED=ELISA (Detection) F=Flow Cytometry FN=Functional Assay IC=Immunocytochemistry ID=Immunodiffusion IF=Immunofluorescence IP=Immunoprecipitation IV=*In vivo* Assay N=Neutralization P=Paraffin-Embedded Sections R=RIA WB=Western Blotting

## Haemostasis Antibodies (continued)

Specificity	Format	Clone	Isotype	Species Reactivity	Application	Size	Cat #	Price \$
Tissue Factor	Biotin	320	mouse IgG2a	Human	E	0.1 mg	<b>CL20151B</b>	209
Tissue Factor	FITC	320	mouse IgG2a	Human	F	0.1 mg	<b>CL20151F</b>	209
Tissue Factor Pathway Inhibitor	Purified		sheep IgG	Human	WB	10 mg	<b>CL20155A</b>	203
Tissue Plasminogen Activator (tPA)	Purified		sheep IgG	Human	IP, D	10 mg	<b>CL20115A</b>	136
Tissue Plasminogen Activator (tPA)	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20115AP</b>	257
Tissue Plasminogen Activator (tPA)	Biotin		sheep IgG	Human	E	0.1 mg	<b>CL20115B</b>	209
Tissue Plasminogen Activator (tPA)	FITC		sheep IgG	Human	IF	0.1 mg	<b>CL20115F</b>	209
Tissue Plasminogen Activator (tPA)	HRPO		sheep IgG	Human	E	0.2 mg	<b>CL20115HP</b>	209
Vimentin	Purified		sheep IgG	Human	IP, E	10 mg	<b>CL20165A</b>	136
Vimentin	Affinity Purified		sheep IgG	Human	C, WB, E	0.5 mg	<b>CL20165AP</b>	262
Vimentin	HRPO (Affinity Pur)		sheep IgG	Human	E, WB	0.1 mg	<b>CL20165APHP</b>	194
Vimentin	Purified	VI-01	mouse IgM	Mammal	WB, IC	0.1 mg	<b>CLX138AP</b>	211
Vimentin	Dyomics 547	VI-01	mouse IgM	Mammal	WB, IC	0.1 mg	<b>CLX138DY547</b>	277
Vimentin	Purified	VI-RE/1	mouse IgG1	Human	F, WB, IC, E	0.1 mg	<b>CLX184AP</b>	211
Vimentin	PE	VI-RE/1	mouse IgG1	Human	F, WB, IC, E	0.1 mg	<b>CLX184PE</b>	277
Vimentin	Purified	VI-10	mouse IgM	Human	IP, WB, P, IC,	0.1 mg	<b>CLX247AP</b>	211
Vimentin	DY547	VI-10	mouse IgM	Human	IP, WB, P, IC,	0.1 mg	<b>CLX247DY547</b>	277
Vitronectin (S Protein)	Purified		sheep IgG	Human	IP, ID, IF	10 mg	<b>CL20170A</b>	136
Vitronectin (S Protein)	Affinity Purified		sheep IgG	Human	E	0.5 mg	<b>CL20170AP</b>	262
Vitronectin (S Protein)	HRPO (Affinity Pur)		sheep IgG	Human	E	0.1 mg	<b>CL20170APHP</b>	182
von Willebrand Factor	Purified		sheep IgG	Canine	IP	5 mg	<b>CL20176A-C</b>	154
von Willebrand Factor	HRPO		sheep IgG	Canine	WB	0.2 mg	<b>CL20176HP-C</b>	182
von Willebrand Factor	Purified		goat IgG	Human	IP, E, D, C, P	2.5 mg	<b>CL20175A</b>	108
von Willebrand Factor	Affinity Purified		goat IgG	Human	E, C, P, WB	0.5 mg	<b>CL20175AP</b>	249
von Willebrand Factor	Biotin		goat IgG	Human	E, WB	0.1 mg	<b>CL20175B</b>	182
von Willebrand Factor	FITC		goat IgG	Human	IF	0.1 mg	<b>CL20175F</b>	182
von Willebrand Factor	HRPO		goat IgG	Human	E, WB	0.15 mg	<b>CL20175HP</b>	182
von Willebrand Factor	Purified		sheep IgG	Rat/Mouse	IP, E, C	5 mg	<b>CL20176A-R</b>	154
von Willebrand Factor	HRPO		sheep IgG	Rat/Mouse	WB	0.2 mg	<b>CL20176HP-R</b>	182

**Legend for Applications:** **AC**=Affinity Chromatography **AGG**=Agglutination **C**=Cryostat Sections **CT**=Cytotoxicity Assay **D**=Depletion **E**=ELISA **EC**=ELISA (Capture) **ED**=ELISA (Detection) **F**=Flow Cytometry **FN**=Functional Assay **IC**=Immunocytochemistry **ID**=Immunodiffusion **IF**=Immunofluorescence **IP**=Immunoprecipitation **IV**=*In vivo* Assay **N**=Neutralization **P**=Paraffin-Embedded Sections **R**=RIA **WB**=Western Blotting

## Negative Controls for Haemostasis

Negative Control	Format	Size	Cat #	Price \$
Goat IgG (non-immune)	Purified	10 mg	<b>CLGT00</b>	42
Goat IgG (non-immune)	FITC	0.1 mg	<b>CLGT01</b>	99
Goat IgG (non-immune)	Biotin	0.1 mg	<b>CLGT15</b>	99
Rabbit IgG (non-immune)	Purified	10 mg	<b>CLRBO0</b>	42
Sheep IgG (non-immune)	Purified	20 mg	<b>CLSP00</b>	42
Sheep IgG (non-immune)	FITC	0.1 mg	<b>CLSP02</b>	99
Sheep IgG (non-immune)	Biotin	0.1 mg	<b>CLSP15</b>	99



## Species Cross Reactivity - Determined by Immunodiffusion

Each antibody listed has been tested for reactivity to the plasma of a variety of species. The double immunodiffusion (DID) technique used tests the ability of an antibody to precipitate an antigen in an agarose gel. The DID technique has limitations and a negative result should not necessarily be interpreted as non-recognition of an antigen. A number of antibodies may react with fewer recognition sites on the antigen of another species and be unable to form an insoluble immune complex (this is observed with many monoclonal antibodies). An antibody may demonstrate a greater spectrum of cross reactivity in applications such as immunoblotting and immunohistochemistry where antigen precipitation is not required. Below are examples of typical results seen in historical lots. See product insert for lot specific testing results.

### Negative Controls for Haemostasis (+++ strong positive, + weak positive, — negative, NT not tested)

Cat #	Antibodies to:	Human	Rat	Mouse	Rabbit	Canine	Feline	Porcine	Bovine
CL20025A-B	Bovine Factor V	—	—	—	—	—	—	—	+++
CL20121A-B	Bovine Thrombin	—	—	—	—	—	—	—	+++
CL20000A	Human alpha1-Antitrypsin	+++	—	—	—	—	—	—	+
CL20001A	Human alpha1-Antitrypsin	+++	—	—	—	++	—	+	—
CL20005A	Human alpha2-Antiplasmin	+++	—	—	—	—	—	—	—
CL20015A	Human Antithrombin III	+++	—	—	—	—	—	—	—
CL20016A	Human Antithrombin III	+++	++	—	—	++	++	+	—
CL20023A	Human C1-Inhibitor	+++	—	—	—	—	—	—	—
CL20022A	Human C1s	+++	—	—	—	—	—	—	—
CL20040A	Human Factor IX	+++	—	—	++	—	—	—	—
CL20025A	Human Factor V	+++	—	—	+	—	—	—	—
CL20045A	Human Factor X	+++	—	—	—	+	+	—	—
CL20050A	Human Factor XI	+++	—	—	—	—	—	—	—
CL20055A	Human Factor XII	+++	—	—	—	—	—	—	—
CL20056A	Human Factor XIII (A subunit)	+++	++	+	++	—	—	—	—
CL20057A	Human Factor XIII Purified	+++	—	—	—	+	+	—	—
CL20065A	Human Fibrin fragment E	+++	—	—	—	—	—	NT	—
CL20067A	Human Fibrinogen	+++	++	—	++	+++	+++	+	—
CL20070A	Human Heparin Cofactor-II	+++	++	+	++	++	++	++	—
CL20085A	Human Plasminogen	+++	++	—	++	++	++	++	+
CL20090A	Human Prekallikrein	+++	++	NT	++	—	—	—	—
CL20095A	Human Protein C	+++	—	—	—	—	—	—	—
CL20096A	Human Protein C	+++	—	—	—	—	—	—	—
CL20100A	Human Protein C Inhibitor	+++	—	—	—	—	—	++	—
CL20105A	Human Protein S	+++	—	—	—	—	—	—	—
CL20106A	Human Protein S	+++	—	—	—	+	+	—	—
CL20110A	Human Prothrombin (Factor II)	+++	—	—	—	+	NT	—	—
CL20120A	Human Thrombin (Factor IIa)	+++	+	—	—	—	—	—	—
CL20125A	Human Thrombin Activatable Fibrinolysis I	+++	—	—	—	—	—	—	—
CL20170A	Human Vitronectin	+++	—	—	—	—	—	—	—
CL20175A	Human von Willebrand Factor	+++	++	—	++	++	++	++	—
CL20010A	Human $\beta$ 2Macroglobulin	+++	—	—	—	—	+	+	—
CL20021A	Human $\beta$ 2Glycoprotein-I (Apo-H)	+	+	+	+++	+	+	—	—
CL20067A-RB	Rabbit Fibrinogen	+++	+++	+++	+++	+++	+++	NT	—
CL20121A-RB	Rabbit Thrombin	—	—	—	+++	—	—	—	—

# Paired Haemostasis Antibodies and ELISA

Cedarlane's paired antibody sets are formulated for researchers to develop their own ELISAs in-house. Each paired antibody set comes with an affinity purified capture antibody and an HRPO conjugated detection antibody along with a step-by-step protocol for sandwich ELISA, as well as recipes for all necessary buffers. Alternatively, our buffer pack can be purchased separately (see page 11).

## Paired Antibodies (E=ELISA)

Specificity	Format	Species Reactivity	Application	Size	Cat #	Price \$
alpha-1 Antitrypsin	Aff.Pur./HRPO	Human	E	2 vials	CL20002K	340
Antithrombin III	Aff.Pur./HRPO	Human	E	2 vials	CL20016K	340
Antithrombin ATIII	Aff.Pur./HRPO	Mouse	E	2 vials	CL20017K	340
APC-Alpha 1 Antitrypsin Complex	Aff.Pur./HRPO	Human	E	2 vials	CL20003K	384
APC-Protein C Inhibitor Complex	Aff.Pur./HRPO	Human	E	2 vials	CL20201K	384
Beta2-Glycoprotein-I	Aff.Pur./HRPO	Human	E	2 vials	CL20220K	365
Factor IX	Aff.Pur./HRPO	Human	E	2 vials	CL20041K	340
Factor IX	Aff.Pur./HRPO	Canine	E	2 vials	CL20044K	395
Factor V	Aff.Pur./HRPO	Human	E	2 vials	CL20225K	340
Factor VII	Aff.Pur./HRPO	Human	E	2 vials	CL20030K	384
Factor VIII	Aff.Pur./HRPO	Canine	E	2 vials	CL20036K	481
Factor VIII:C	Aff.Pur./HRPO	Human	E	2 vials	CL20035K	481
Factor X	Aff.Pur./HRPO	Mouse	E	2 vials	CL20049K	340
Factor X	Aff.Pur./HRPO	Human	E	2 vials	CL20245K	340
Factor XI	Aff.Pur./HRPO	Human	E	2 vials	CL20250K	340
Factor XII	Aff.Pur./HRPO	Human	E	2 vials	CL20055K	384
Factor XIII	Aff.Pur./HRPO	Human	E	2 vials	CL20057K	384
Fibrinogen	Aff.Pur./HRPO	Mouse	E	2 vials	CL20048K	365
Fibrinogen	Aff.Pur./HRPO	Human	E	2 vials	CL20067K	340
Fibrinogen	Aff.Pur./HRPO	Rabbit	E	2 vials	CL20067K-RB	506
Heparin Cofactor II	Aff.Pur./HRPO	Human	E	2 vials	CL20071K	340
Kininogen	Aff.Pur./HRPO	Human	E	2 vials	CL20027K	395
Plasminogen	Aff.Pur./HRPO	Human	E	2 vials	CL20086K	340
Plasminogen	Aff.Pur./HRPO	Mouse	E	2 vials	CL20087K	340
Prekallikrein	Aff.Pur./HRPO	Human	E	2 vials	CL20090K	395
Protein C	Aff.Pur./HRPO	Human	E	2 vials	CL20096K	340
Protein C Inhibitor	Aff.Pur./HRPO	Human	E	2 vials	CL20295K	340
Protein S	Aff.Pur./HRPO	Human	E	2 vials	CL20106K	340
Prothrombin	Aff.Pur./HRPO	Human	E	2 vials	CL20111K	340
Thrombin Activatable Fibrinolysis Inhibitor (TAFI)	Aff.Pur./HRPO	Human	E	2 vials	CL20125K	458
Thrombin Activatable Fibrinolysis Inhibitor (TAFI), Complete ELISA	ELISA Kit	Human	E	Kit	CL20126E	458
Thrombin-Antithrombin Complex	Aff.Pur./HRPO	Human	E	2 vials	CL20018K	415
Thrombin-Heparin Cofactor II Complex	Aff.Pur./HRPO	Human	E	2 vials	CL20200K	415
Tissue Plasminogen Activator	Aff.Pur./HRPO	Human	E	2 vials	CL20116K	340
von Willebrand Factor	Aff.Pur./HRPO	Human	E	2 vials	CL20403K	395

## Species Cross-Reactivity – Using Paired Haemostasis Antibodies for ELISA

The values given are the reactivities relative to human reference plasma (W.H.O. traceable) when the test plasmas are assayed under the conditions specified in the protocol for each assay. Plasmas with reactivities of less than 1% are listed as negative. Optimization of the assay conditions may be required to efficiently utilize these assays for the measurement of these analytes in animal plasmas. Below are examples of typical results seen in historical lots.

### Species Recognition

Cat #	Analyte	Human	Rat	Mouse	Rabbit	Canine	Feline	Porcine	Bovine
CL20016K	Antithrombin antigen	100%	13%	25%	neg	9%	21%	4%	neg
CL20035K	Factor VIII antigen	100%	neg	neg	neg	neg	NT	neg	neg
CL20041K	Factor IX antigen	100%	neg	neg	14%	1%	NT	neg	neg
CL20067K	Fibrinogen antigen	100%	66%	18%	NT	30%	44%	14%	neg
CL20067K-RB	Rabbit Fibrinogen antigen	47%	19%	19%	100%	28%	26%	14%	17%
CL20086K	Plasminogen antigen	100%	4%	5%	11%	33%	NT	NT	3%
CL20096K	Protein C antigen	100%	neg	neg	neg	neg	neg	neg	neg
CL20106K	Protein S antigen	100%	neg	neg	2%	neg	2%	neg	neg
CL20111K	Prothrombin antigen	100%	neg	neg	17%	neg	neg	neg	neg
CL20125K	Thrombin Activatable Fibrinolysis Inhibitor	100%	3%	7%	neg	neg	NT	5%	neg
CL20245K	Factor X antigen	100%	neg	1%	neg	1%	NT	neg	neg
CL20403K	von Willebrand Factor antigen	100%	15%	6%	34%	31%	NT	31%	neg

### Cedarlane's Buffer Pack

Description	Size	Cat #	Price \$
Buffer Pack – for Haemostasis Paired Antibodies	Reagents sufficient for 5 x 96 well assays	CL20300	239

For more information, contact:

**CEDARLANE**<sup>®</sup>   
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