

***CEDARLANE is here to provide you with the tools and resources you require to make a safe and effective return to the lab.***

We are proud to offer a wide range of products for Coronavirus Research including antibodies, proteins, kits and more. Contact your Cedarlane team member today and get started on your triumphant return to the lab!

**[www.cedarlanelabs.com/coronavirus](http://www.cedarlanelabs.com/coronavirus)  
[sales@cedarlanelabs.com](mailto:sales@cedarlanelabs.com)**

## Fight Against COVID-19: CEDARLANE in Unique Collaboration

A group of Canadian biotech companies are joining forces in the war on COVID-19 with a unique open source model using next-generation antidotes known as nanobodies.<sup>1</sup>

The coalition of five companies will adopt an “open source biology” model (similar to open source software) to make and disseminate their findings, encouraging the biological version of crowd sourcing.

The coalition is focused on nanobodies due to their ability to act like guided missiles to specifically identify and stick to the coronavirus. Because nanobodies envelope the virus, they can be used to create diagnostic tools to detect the virus, or therapeutics to effectively neutralize it.



**NovoBind** will identify and share the nanobodies, which “stick” to and neutralize pathogens.

**SignalChem** will create the synthetic version of the viral targets.

**CEDARLANE** will facilitate the generation of the antibodies.

**Wilson Sonsini Goodrich & Rosati** will advise on intellectual property strategy to ensure that the resulting products are accessible to all countries around the world.

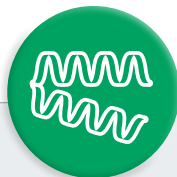
**Natural Products Canada** will support knowledge transfer to ensure developments from this initiative are integrated in global efforts against COVID-19.

<sup>1</sup> Trademarked by Ablynx, otherwise known as single domain antibodies, llama antibodies, VHH, VNAR

Offering top products, research resources and expert support from our Top Partners



**SARS-CoV-2  
Antibodies**



**SARS-CoV-2  
Proteins**



**Viral DNA/RNA  
Extraction Kits**



**SARS-CoV-2  
Kits**

## biotechne®

### Proteins for Coronavirus Research

R&D Systems SARS-CoV-2 Spike proteins exhibit high affinity binding to human ACE-2 in both ELISA and SPR. The Coronavirus proteases, Papain-like Protease and 3CL protease, are tested for bioactivity using biologically relevant fluorescent substrates.

Protein	Species	Source	Tag	Cat. #	Bioactivity
SARS-Cov-2 Spike Protein RBD	SARS-Cov-2	HEK293	Fc	<b>10499-CV</b>	Binds ACE-2 Cat. # 933-ZN
		CHO	Fc	<b>10542-CV</b>	
		HEK293	His	<b>10500-CV</b>	
		CHO	His	<b>10534-CV</b>	
		Tn5	His	<b>10523-CV</b>	
SARS-Cov-2 Spike (Active Trimer)	SARS-Cov-2	HEK293	His	<b>10549-CV</b>	Binds ACE-2 Cat. # 933-ZN



### Zymo Research and Illumina COVID-19 Collaboration

Zymo Research has recently partnered with Illumina to offer our Quick-DNA/RNA Viral Magbead Kit (R2141 specifically) as part of the validated Illumina workflow for COVID-Seq, an NGS-based test to detect SARS-CoV-2 in patients suspected of having COVID-19.

Both Illumina and Zymo Research are very excited about the opportunities this brings to helping the global pandemic, and have been working very closely with one another to ensure they can meet the demand.

- **High quality extraction of SARS-CoV-2 RNA - Ready for analysis**
- **Simple protocol for High-throughput Automated extraction**
- **Fast: 1-2 hours For 96 samples\***

\*Speed is based on automated platform use



### SARS-CoV-2 Genomic RNA and Heat-Inactivated Strain

Explore the newest addition to our SARS-CoV-2 portfolio: genomic RNA from 2019-nCoV/Italy-INMI1. This strain was isolated from the sputum of a patient exhibiting respiratory illness who had returned from travel to the affected region of China and subsequently developed clinical disease in Rome, Italy, in January 2020.

#### Nucleic Acid:

- ATCC VR-1992D Genomic RNA from SARS-CoV-2; Strain: 2019-nCoV/Italy-INMI1
- Genomic RNA isolated from a preparation of Severe acute respiratory syndrome-related coronavirus 2 strain 2019-nCoV/Italy-INMI1



### Largest collection of SARS-CoV-2 antibodies and antigens

Sino Biological offers a wide range of products for SARS-CoV-2 (COVID-19 Virus) Research, including recombinant antigens, antibodies, antigen detection kits, coronavirus antigen array and genes.

#### Shop our most popular products:

- |                        |   |
|------------------------|---|
| <b>40591-V08H</b>      | SARS-CoV-2 (2019-nCoV) Spike Protein (S1 Subunit, His Tag)                      |
| <b>40589-V08B1-100</b> | SARS-CoV-2 (2019-nCoV) Spike Protein (S1+S2 ECD, His Tag)                       |
| <b>40592-MM57</b>      | SARS-CoV-2 (2019-nCoV) Spike Neutralizing Antibody Mouse Mab                    |
| <b>40592-T62-100UL</b> | SARS-CoV-2 / 2019-nCoV Spike/RBD Antibody, Rabbit PAb Antigen Affinity Purified |
| <b>40591-MM43</b>      | SARS-CoV-2 Spike S1 Neutralizing Antibody                                       |
| <b>40150-R007-100</b>  | SARS-CoV-2 (2019-nCoV) Spike Antibody, Rabbit MAB                               |
| <b>40590-T62-100</b>   | SARS-CoV-2 / 2019-nCoV Spike/S2 Antibody, Rabbit PAb Antigen Affinity Purified  |

*CEDARLANE proudly offers a variety of high-quality products, research resources and expert support for Coronavirus (COVID-19) research.*

**Contact your account rep or [sales@cedarlanelabs.com](mailto:sales@cedarlanelabs.com) for more detailed information.**