Anti-Rat NK Cells (NKR-P1)
Monoclonal Antibody

<table>
<thead>
<tr>
<th>Catalogue#</th>
<th>Format</th>
<th>Size</th>
<th>Concentration</th>
<th>Isotype Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL055AP</td>
<td>Purified</td>
<td>250ug</td>
<td>1.0 mg/ml</td>
<td>CLCMG100</td>
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<tr>
<td>CL055AP-2</td>
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<td>1.0 mg/ml</td>
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<td>1.0mg</td>
<td>1.0 mg/ml</td>
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<tr>
<td>CL055B</td>
<td>Biotin</td>
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<td>CLCMG115</td>
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<tr>
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<td>FITC</td>
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<td>CLCMG101</td>
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<tr>
<td>CL055F-5</td>
<td>FITC</td>
<td>500ug</td>
<td>0.1mg/ml</td>
<td>CLCMG101</td>
</tr>
<tr>
<td>CL055PE</td>
<td>PE</td>
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<td>CLCMG104</td>
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<tr>
<td>CL055PE-4</td>
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<td>200 ug</td>
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<tr>
<td>CL055AF4</td>
<td>Alexa Fluor®488</td>
<td>100 µg</td>
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<td>N/A</td>
</tr>
</tbody>
</table>

Alexa Fluor® is a registered trademark of Life Technologies Corporation.

Isotype: Mouse IgG1

DESCRIPTION:

Cedarlane’s anti-rat NK cell monoclonal antibody recognizes a 60 kDa disulfide linked homodimer known as NKR-P1. This type II transmembrane glycoprotein is found on rat NK cells and large granular lymphocytes.

This antibody is suitable for flow cytometry. It is also reported to work with frozen sections.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.

Biotin, FITC, PE and AF488: Biotin/FITC/PE/AF488 conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

No Azide: Purified Ig buffered in PBS, no preservative, 0.2µm sterile filtered.

STORAGE/STABILITY:

For all formats, store at 4°C. DO NOT FREEZE PE and AF488 conjugates. For long term storage (Purified, Biotin, FITC, No Azide), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.
SPECIFICATIONS:

Clone: 10-78

Immunogen: Purified splenic NK cells from the LEW rat strain.

Specificity: Rat NK cells (NKR-P1)

TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

Rat Strain: Fischer
Cell Concentration: 1x10^6 cells per test
Antibody Concentration Used: 0.5 µg/10^6 cells

<table>
<thead>
<tr>
<th>Cell Source</th>
<th>Percentage of cells stained above control:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Splenic T Cells*</td>
<td>13.4%</td>
</tr>
</tbody>
</table>

*(T cells isolated with CL102 - Cedarlane's Rat T Cell Recovery Column Kit)

N.B. Appropriate control samples should always be included in any labeling studies.

* For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.

REFERENCES:


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