

#### DESCRIPTION

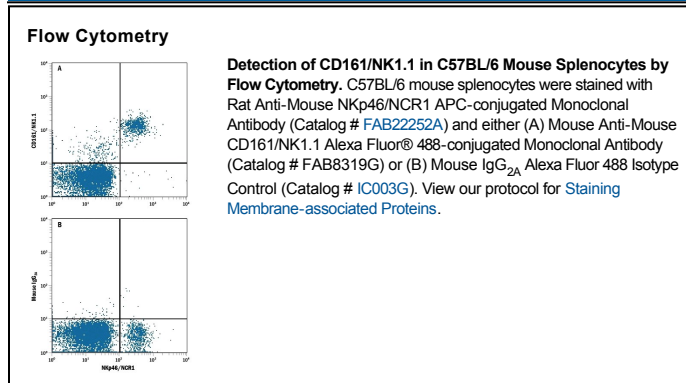
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse CD161/NK1.1 by flow cytometry
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # PK136
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse NK-1 <sup>+</sup> splenocytes and bone marrow cells
<b>Conjugate</b>	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	5 µL/10 <sup>6</sup> cells	See Below

#### DATA



#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

CD161, also known as NK1.1, KLRB-1C, Ly-55, and NKR-P1c, is a 28 kDa type 2 transmembrane protein in the Killer Cell Lectin-like Receptor family. CD161 is expressed as a disulfide-linked homodimer on the surface of NK cells and subpopulations of NKT, CD4<sup>+</sup>, CD8<sup>+</sup>, and γ/δ T cells. Its cross-linking on NK cells induces cytolytic activity, and on CD4 cells it promotes IgE production and the expansion of Th2 responses. Mature mouse CD161 consists of a 45 amino acid (aa) cytoplasmic domain, a 21 aa transmembrane segment, and a 157 aa extracellular domain with one C-type lectin domain.

#### PRODUCT SPECIFIC NOTICES

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