

# Anti-Mouse NK1.1 (CD161) (PK136)

Catalog Number: 65138-1-Ig

## Basic Information

<b>Catalog Number:</b> 65138-1-Ig	<b>GenBank Accession Number:</b> BC120707	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 500ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 17057	<b>CloneNo.:</b> PK136
<b>Source:</b> Mouse	<b>Full Name:</b> killer cell lectin-like receptor subfamily B member 1A	
<b>Isotype:</b> IgG2a, kappa		

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Mouse

## Background Information

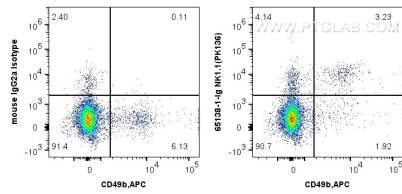
NK1.1 (CD161), also known as KLRB1 or NKR-P1A, is a type II transmembrane C-type lectin-like receptor and is expressed on the cell membrane as disulfide-linked homodimer (PMID: 8077657). It is expressed by the majority of NK cells and subsets of peripheral T cells, including both CD4+ and CD8+ T cells, and is expressed preferentially on adult T cells with a "memory" antigenic phenotype (PMID: 8077657; 22566826). Expression of CD161 correlates with the cytotoxic function of CD16+ NK cells, and ligation of CD161 with its ligand LLT1 inhibits NK cell cytotoxicity and cytokine secretion (PMID: 29686665).

## Storage

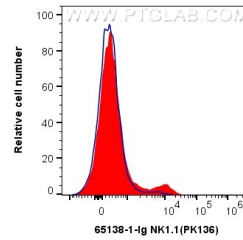
**Storage:**  
Store at 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

## Selected Validation Data



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface co-stained with APC Anti-Mouse CD49b (DX5) and 0.5 ug Anti-Mouse NK1.1 (CD161) (65138-1-Ig, Clone:PK136) and FITC anti-Mouse IgG2a Antibody at dilution 1:100, or 0.5 ug Mouse IgG2a Isotype Control (C1.18.4) and FITC anti-Mouse IgG2a Antibody at dilution 1:100. Cells were not fixed.



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface stained with 0.5 ug Anti-Mouse NK1.1 (CD161) (65138-1-Ig, Clone:PK136) and FITC anti-Mouse IgG2a Antibody at dilution 1:100, or 0.5 ug Mouse IgG2a Isotype Control (C1.18.4) and FITC anti-Mouse IgG2a Antibody at dilution 1:100. Cells were not fixed.