

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

Catalog Number: **PE-65138**

Basic Information

Catalog Number: PE-65138	GenBank Accession Number: BC120707	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 17057	CloneNo.: PK136
Source: Mouse	Full Name: killer cell lectin-like receptor subfamily B member 1A	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG2a		

Applications

Tested Applications:
FC

Species Specificity:
Mouse

Background Information

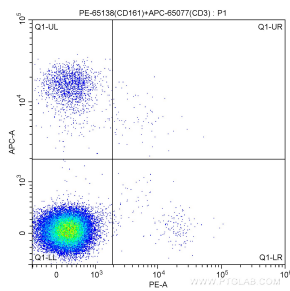
NK1.1 (CD161), also known as KLRB1 or NKR-P1A, is a type II transmembrane C-type lectin-like receptor and is expressed on the cell membrane as disulfide-linked homodimer (PMID: 8077657). It is expressed by the majority of NK cells and subsets of peripheral T cells, including both CD4+ and CD8+ T cells, 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

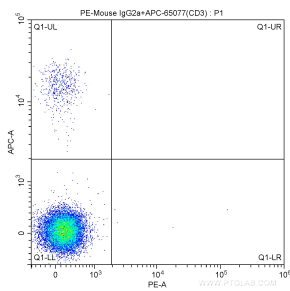
Storage:
Store at 2-8°C. Avoid exposure to light.

Storage Buffer:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with APC-Anti-Mouse CD3 (APC-65077, Clone:17A2) and 1.00 ug PE-Anti-Mouse NK1.1 (CD161) (PE-65138, Clone:PK136). Cells were not fixed.



1X10⁶ C57BL/6 mouse splenocytes were surface stained with APC-Anti-Mouse CD3 (APC-65077, Clone:17A2) and PE-mouse IgG2a isotype control antibody. Cells were not fixed.