

For Research Use Only

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



Catalog Number: APC-65138

Basic Information

Catalog Number: APC-65138	GenBank Accession Number: BC120707	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 17057	CloneNo.: PK136
Source: Mouse	UNIPROT ID: P27811	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG2a	Full Name: killer cell lectin-like receptor subfamily B member 1A	

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.

For technical support and original validation data for this product please contact:

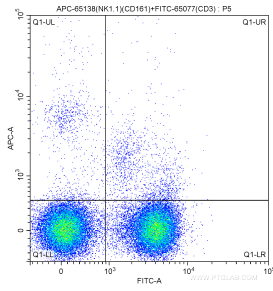
T: 4006900926

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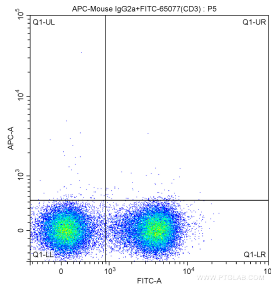
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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with FITC Anti-Mouse CD3 (FITC-65077, Clone: 17A2) and 0.13 ug APC Anti-Mouse NK1.1 (CD161) (APC-65138, Clone: PK136). Cells were not fixed.



1X10⁶ C57BL/6 mouse splenocytes were surface stained with FITC Anti-Mouse CD3 (FITC-65077, Clone: 17A2) and 0.13 ug APC-Mouse IgG2a isotype control antibody. Cells were not fixed.