

For Research Use Only

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

Catalog Number: APC-65138



Basic Information

Catalog Number:

APC-65138

Size:

100ug, 0.2 mg/ml

Source:

Mouse

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC120707

GeneID (NCBI):

17057

UNIPROT ID:

P27811

Full Name:

killer cell lectin-like receptor
subfamily B member 1A

Purification Method:

Affinity purification

CloneNo.:

PK136

Excitation/Emission maxima
wavelengths:

650 nm / 660 nm

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. Stable for one year after shipment.

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:

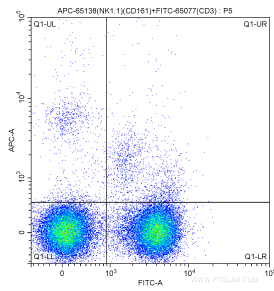
T: 4006900926

E: Proteintech-CN@ptglab.com

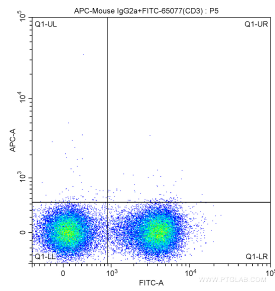
W: ptgcn.com

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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.