

For Research Use Only

FITC Plus Anti-Mouse NK1.1 (CD161) (PK136)

Catalog Number: FITC-65138



Basic Information

Catalog Number:

FITC-65138

Size:

100ug, 0.5 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:

495 nm / 524 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:

PBS with 0.09% sodium azide.

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

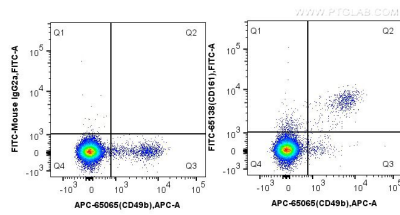
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Selected Validation Data



1×10^6 mouse splenocytes were surface stained with APC Anti-Mouse CD49b (DX5) (APC-65065, Clone: DX5) and FITC Mouse IgG2a isotype control antibody (left) or 0.5 μ g FITC Anti-Mouse NK1.1 (CD161) (FITC-65138, Clone: PK136) (right). Cells were not fixed.