

For Research Use Only

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



Catalog Number: **FITC-65138**

Basic Information

Catalog Number: FITC-65138	GenBank Accession Number: BC120707	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 17057	CloneNo.: PK136
Source: Mouse	Full Name: killer cell lectin-like receptor subfamily B member 1A	Excitation/Emission maxima wavelengths: 494 nm / 520 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

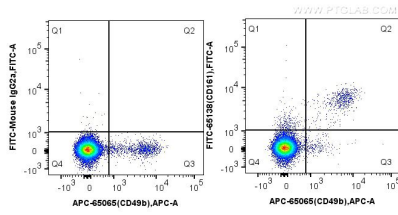
Storage:
Store at 2-8°C. Avoid exposure to light.

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

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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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.