

For Research Use Only

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

Catalog Number: PE-65138

2 Publications



Basic Information

Catalog Number:

PE-65138

Size:

100ug , 200 µg/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:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

mouse

Cited Species:

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Yanqin Zhang	39043825	Nat Nanotechnol	FC
Cai-Hong Chen	38973154	Adv Sci (Weinh)	FC

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 and 0.5% BSA.

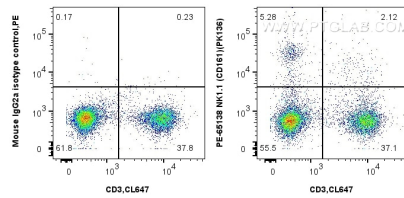
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

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Selected Validation Data



1x10⁶ C57BL/6 mouse splenocytes were surface stained with 0.2 ug PE Anti-Mouse NK1.1 (CD161) (PK136) (PE-65138, Clone:PK136) or 0.2 ug PE Mouse IgG2a Isotype Control (C1.18.4) (PE-65208, Clone: C1.18.4). Cells were co-stained with CoraLite® Plus 647 Anti-Mouse CD3. Cells were not fixed.