

For Research Use Only

CoraLite®594 Anti-Mouse NK1.1 (CD161) (PK136)

Catalog Number:CL594-65138



Basic Information

Catalog Number:
CL594-65138

Size:
100ug , 500 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:
588 nm / 604 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.

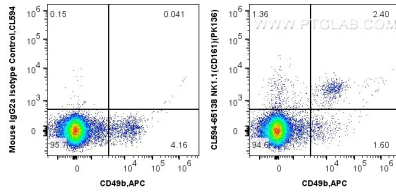
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with 0.5 ug CoraLite® 594 Anti-Mouse NK1.1 (CD161) (CL594-65138, Clone: PK136) or 0.5 ug CoraLite® 594 Mouse IgG2a Isotype Control (C1.18.4) (CL594-65208, Clone: C1.18.4), and 0.5 ug APC Anti-Mouse CD49b (DX5) (APC-65065, Clone: DX5). Cells were not fixed.