For Research Use Only

CoraLite® Plus 647 Anti-Mouse NK1.1 (CD161) Rabbit Recombinant Antibody

Catalog Number:CL647-98820

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL647-98820

Concentration:
100ug, 500 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG6938

GenBank Accession Number:
NM_001159904

GeneID (NCBI):
17059

UNIPROT ID:
P27814

Full Name:
killer cell lectin-like receptor subfamily B member 1C

Calculated MW:
25KD

Purification Method:
Protein A purification

CloneNo.:
253074D6

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : mouse splenocytes,

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).

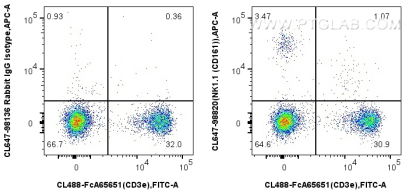
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

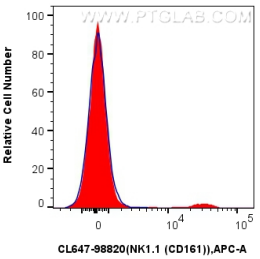
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1x10^6 mouse splenocytes were surface stained with FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD3e, and 0.25 ug CoraLite® Plus 647 Anti-Mouse NK1.1 (CD161) Rabbit RecAb (CL647-98820, Clone: 253074D6) or CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9). Cells were not fixed.



1x10^6 mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse NK1.1 (CD161) Rabbit RecAb (CL647-98820, Clone: 253074D6) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9) (blue). Cells were not fixed.