

For Research Use Only

Anti-Human KLRB1/CD161 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98281-1-PBS



Basic Information

Catalog Number:

98281-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002258.3

GeneID (NCBI):

3820

ENSEMBL Gene ID:

ENSG00000111796

UNIPROT ID:

Q12918

Full Name:

killer cell lectin-like receptor
subfamily B, member 1

Calculated MW:

25 kDa

Purification Method:

Protein A purification

CloneNo.:

242140H5

Applications

Tested Applications:

FC

Species Specificity:

human

Background Information

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 -80°C.

Storage Buffer:

PBS Only

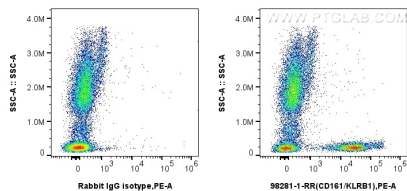
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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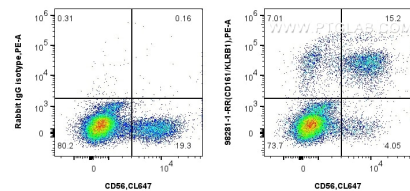
E: proteintech@ptglab.com
W: ptglab.com

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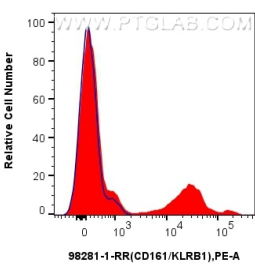
Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CD161/KLRB1 Rabbit RecAb (98281-1-RR, Clone: 242140H5) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98281-1-PBS in a different storage buffer formulation.



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CD161/KLRB1 Rabbit RecAb (98281-1-RR, Clone:242140H5) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Human NCAM1/CD56. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CD161/KLRB1 Rabbit RecAb (98281-1-RR, Clone: 242140H5) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98281-1-PBS in a different storage