

For Research Use Only

CoraLite® Plus 488 Anti-Human Siglec-7/CD328 Rabbit Recombinant Antibody

Catalog Number:CL488-98183



Basic Information

Catalog Number:

CL488-98183

Size:

100tests , 5 ul/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1545

GenBank Accession Number:

NM_014385.4

GeneID (NCBI):

27036

UNIPROT ID:

Q9Y286-1

Full Name:

sialic acid binding Ig-like lectin 7

Calculated MW:

51 kDa

Purification Method:

Protein A purification

CloneNo.:

241525H1

Recommended Dilutions:

FC: 5 ul per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

491 nm / 516 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

Background Information

Sialic acid binding Ig-like lectin 7 (Siglec-7), also known as CD328 or p75/AIRM-1, is a member of the Siglec family of glycan-recognition proteins. Siglec-7 is a type-I transmembrane protein consisting of three extracellular immunoglobulin-like domains that comprise an N-terminal V-set domain and two C2-set domains, a transmembrane region and a cytoplasmic tail containing two tyrosine residues embodied in immunoreceptor tyrosine-based inhibition motif-like motifs (PMID: 32322597; 10567377). It is mainly expressed on immune cells, with low levels on granulocytes, intermediate levels on monocytes, and relatively high levels on a major subset of natural killer cells and a minor subset of CD8⁺ T cells (PMID: 10567377). Siglec-7 is an inhibitory receptor that negatively regulates the function of NK cells and modulates the immune response through the interaction of sialic acid-containing ligands (PMID: 27312286).

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, pH7.3

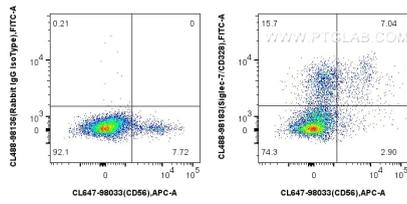
For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10⁶ human PBMCs were surface stained with CoraLite® Plus 647 Anti-Human NCAM1/CD56, and 5 ul CoraLite® Plus 488 Anti-Human Siglec-7/CD328 Rabbit RecAb (CL488-98183, Clone: 241525H1) or CoraLite® Plus 488 Rabbit IgG Isotype Control RecAb (CL488-98136, Clone: 240953C9). Cells were not fixed.