

For Research Use Only

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

Catalog Number:CL488-98183



## Basic Information

<b>Catalog Number:</b> CL488-98183	<b>GenBank Accession Number:</b> NM_014385.4	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100tests, 5 ul/test	<b>GeneID (NCBI):</b> 27036	<b>CloneNo.:</b> 241525H1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y286-1	<b>Recommended Dilutions:</b> FC: 5 ul per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> sialic acid binding Ig-like lectin 7	<b>Excitation/Emission maxima wavelengths:</b> 491 nm / 516 nm
<b>Immunogen Catalog Number:</b> EG1545	<b>Calculated MW:</b> 51 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : human PBMCs,
<b>Species Specificity:</b> human	

## 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:

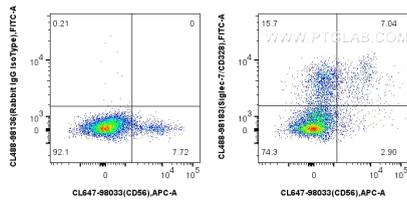
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## Selected Validation Data



1x10<sup>6</sup> 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.