



## Anti-Human Siglec-7 (Siglec-14) (#6D34)

20230310DS



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>101-M832</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells) from a mouse immunized with the extracellular domain of recombinant human Siglec-7).

### Target Background

<b>Synonyms (Target):</b>	Adhesion inhibitory receptor molecule 1; adhesion inhibitory receptor molecule 1, siglec-7; AIRM1; AIRM-1; AIRM1QA79 membrane protein; CD328 antigen; CD328; CDw328; D-siglec; p75; p75/AIRM1; QA79; sialic acid binding Ig-like lectin 7; sialic acid binding
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Siglecs (sialic acid binding Ig-like lectins) are I-type (Ig-type) lectins belonging to the Ig superfamily. They are characterized by an N-terminal Ig-like V-type domain which mediates sialic acid binding, followed by varying numbers of Ig-like C2-type domains. Eleven human Siglecs have been cloned and characterized. To date, no Siglec has been shown to recognize any cell surface ligand other than sialic acids, suggesting that interactions with glycans containing this carbohydrate are important in mediating the biological functions of Siglecs. Human Siglec-7 encodes a 467 amino acid (aa) polypeptide with a hydrophobic signal peptide, an N-terminal Ig-like V-type domain, two Ig-like C2-type domains, a transmembrane region and a cytoplasmic tail. Siglec-7 exists as a monomer on the cell surface and is expressed on natural killer cells, CD8+ T cells and monocytes. It binds equally well to both alpha 2,3- and alpha 2,6-linked sialic acid.

### Database References Target

<b>Protein RefSeq:</b>	NP_055200.1
<b>Uniprot ID:</b>	Q9Y286
<b>mRNA RefSeq:</b>	NM_014385.3

### Product Specifications

<b>Host</b>	Mouse
<b>Reactivity against</b>	Human
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#6D34)
<b>Isotype</b>	IgG2B
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	Human recombinant Siglec-7 EC domain
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS

### Application/Handling

**Reconstitution:** Centrifuge vial prior to opening. Reconstitute the antibody with 500 µl sterile PBS and the final concentration is 200 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20°C for at least for six months without detectable loss of activity.



**AVOID REPEATED FREEZE AND THAW CYCLES!**

### Applications

The antibody can be used within the following applications:

WB

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**