

For Research Use Only

Siglec-9 Recombinant antibody, PBS Only

Catalog Number: 84683-4-PBS



Basic Information

Catalog Number: 84683-4-PBS	GenBank Accession Number: NM_014441.3	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 27180	CloneNo.: 241799E8
Source: Rabbit	UNIPROT ID: Q9Y336-1	
Isotype: IgG	Full Name: sialic acid binding Ig-like lectin 9	
	Calculated MW: 50 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Sialic acid binding Ig-like lectin 9 (Siglec-9), also known as CD329, is a member of the Siglec family of glycan-recognition proteins. Siglec-9 is a type-I transmembrane protein consisting of an N-terminal extracellular region that contains an N-terminal V-set domain and two C2-set domains, a transmembrane region, and an intracellular domain with an immunoreceptor tyrosine-based inhibitory motif (ITIM) and an ITIM-like motif (PMID: 10801862). It is expressed quite broadly among human blood leukocytes, including monocytes, neutrophils, B cells, NK cells, and minor subsets of T cells (PMID: 32322597). Siglec-9 functions as an inhibitory immune checkpoint and can be targeted to enhance therapeutic antitumor immunity (PMID: 34155121; 37460871).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

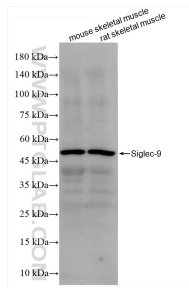
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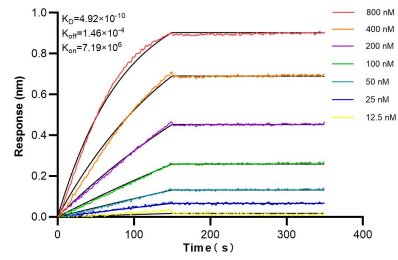
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84683-4-RR (Siglec-9 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84683-4-PBS in a different storage buffer formulation.



Biacore BLI kinetic assays of 84683-4-RR against Human Siglec-9 were performed. The affinity constant is 0.492 nM.