

For Research Use Only

CD48 Recombinant antibody, PBS Only

Catalog Number: 84186-5-PBS



Basic Information

Catalog Number: 84186-5-PBS	GenBank Accession Number: BC016182	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 962	CloneNo.: 241389F9
Source: Rabbit	UNIPROT ID: P09326	
Isotype: IgG	Full Name: CD48 molecule	
	Calculated MW: 43 kDa	
	Observed MW: 40-45 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

Signaling lymphocytic activation molecule family 2 (SLAMF2, CD48) is an adhesion and costimulatory molecule expressed constitutively on most hematopoietic cells, particularly in antigen-presenting cells (APC). CD48 is expressed on all the hematopoietic cells, both in humans and mice, except for murine neutrophils and long-term HSC. CD48 exists as both a membrane-bound (mCD48) and a soluble (sCD48) form. CD48 can activate T cells, antigen-presenting cells and granulocytes, by binding to CD2 or bacterial FimH, and through cell intrinsic effects. Interactions between CD48 and its high-affinity ligand CD244 are more complex, with both stimulatory and inhibitory outcomes. CD48 expression is increased in autoimmunity and allergy diseases, and anti-CD48 monoclonal antibodies have been shown to attenuate experimental autoimmune encephalomyelitis.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

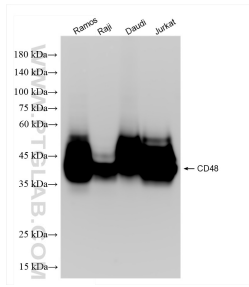
For technical support and original validation data for this product please contact:

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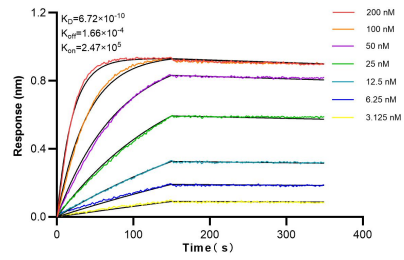
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84186-5-RR (CD48 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84186-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84186-5-RR against Human CD48 were performed. The affinity constant is 0.672 nM.