

For Research Use Only

CD48 Recombinant antibody

Catalog Number: 83871-1-RR



Basic Information

Catalog Number: 83871-1-RR	GenBank Accession Number: BAE96326.1	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 12506	CloneNo.: 240732E3
Source: Rabbit	UNIPROT ID: P18181	Recommended Dilutions: WB 1:1000-1:6000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: CD48 antigen	
	Calculated MW: 27 kDa	
	Observed MW: 45-60 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : CTLL-2 cells, EL-4 cells, mouse spleen tissue
Species Specificity: mouse	IF/ICC : EL-4-B5 cells,

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

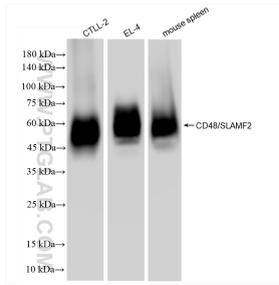
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

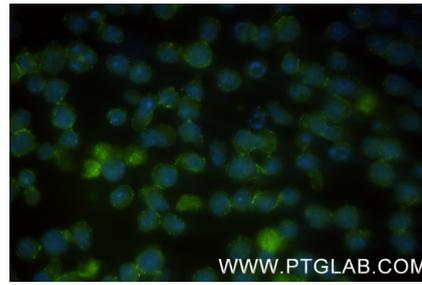
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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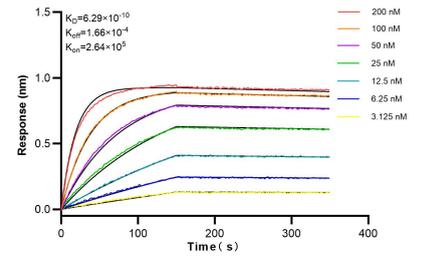
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83871-1-RR (CD48 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed EL-4-B5 cells using CD48 antibody (83871-1-RR, Clone: 240732E3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biacore kinetic assays of 83871-1-RR against Mouse CD48 were performed. The affinity constant is 0.629 nM.