

For Research Use Only

Mouse CD48 Recombinant antibody, PBS Only

Catalog Number: 83871-1-PBS



Basic Information

Catalog Number:

83871-1-PBS

Size:

100ug , Concentration: 1 mg/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BAE96326.1

GeneID (NCBI):

12506

UNIPROT ID:

P18181

Full Name:

CD48 antigen

Calculated MW:

27 kDa

Observed MW:

45-60 kDa

Purification Method:

Protein A purification

CloneNo.:

240732E3

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

mouse

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

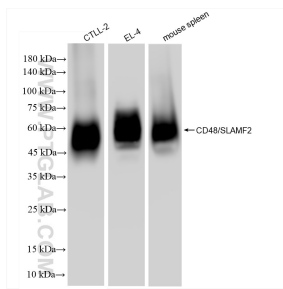
For technical support and original validation data for this product please contact:

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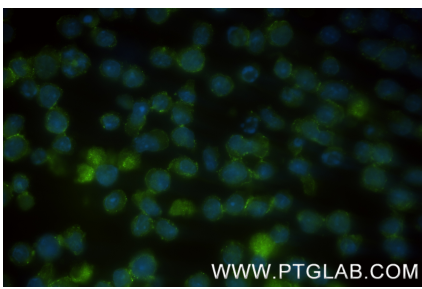
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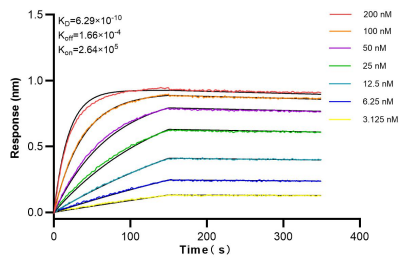
Selected Validation Data



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. This data was developed using the same antibody clone with 83871-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83871-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83871-1-RR against Mouse CD48 were performed. The affinity constant is 0.629 nM.