

For Research Use Only

# Anti-Mouse CD48 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98081-1-PBS



## Basic Information

Catalog Number:

98081-1-PBS

Size:

1mg, 2mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BAE96326.1

GeneID (NCBI):

12506

UNIPROT ID:

P18181

Full Name:

CD48 antigen

Calculated MW:

27 kDa

Purification Method:

Protein A purification

CloneNo.:

240732A5

## Applications

Tested Applications:

FC

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

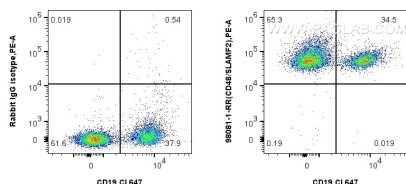
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

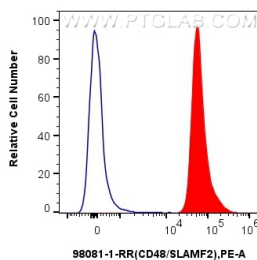
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

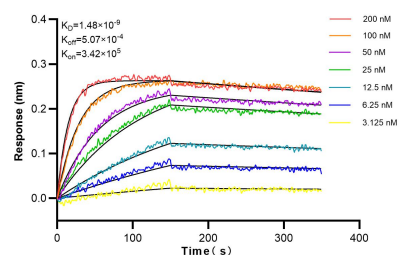
## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.15 ug Anti-Mouse CD48 Rabbit Recombinant Antibody (98081-1-RR, Clone:240732A5) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), or 0.15 ug Isotype Control. Cells were then stained with CoraLite® Plus 647 Anti-Mouse CD19 Cells were not fixed. This data was developed using the same antibody clone with 98081-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.15 ug Anti-Mouse CD48 Rabbit Recombinant Antibody (98081-1-RR, Clone:240732A5)(red) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), or 0.15 ug Isotype Control(blue). Cells were not fixed. This data was developed using the same antibody clone with 98081-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98081-1-RR against Mouse CD48 were performed. The affinity constant is 1.48 nM.