

For Research Use Only

Anti-Mouse CD48 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98081-1-PBS



Basic Information

Catalog Number: 98081-1-PBS	GenBank Accession Number: BAE96326.1	Purification Method: Protein A purification
Size: 1mg, 2mg/ml	GeneID (NCBI): 12506	CloneNo.: 240732A5
Source: Rabbit	UNIPROT ID: P18181	
Isotype: IgG	Full Name: CD48 antigen	
	Calculated MW: 27 kDa	

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

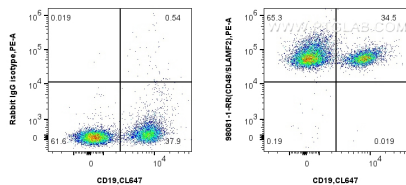
T: 4006900926

E: Proteintech-CN@ptglab.com

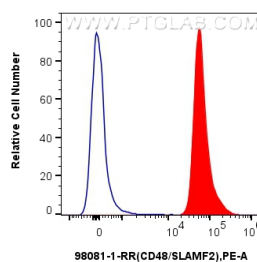
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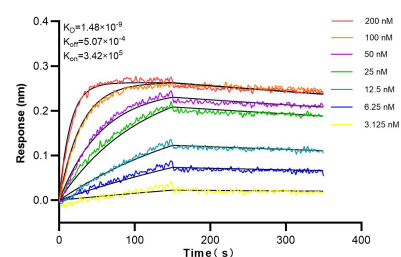
Selected Validation Data



1x10⁶ 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.



1x10⁶ 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.