

For Research Use Only

# FITC Plus Anti-Mouse CD48 Rabbit Recombinant Antibody

Catalog Number: FITC-98081



## Basic Information

<b>Catalog Number:</b> FITC-98081	<b>GenBank Accession Number:</b> BAE96326.1	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 500 µg/ml	<b>GeneID (NCBI):</b> 12506	<b>CloneNo.:</b> 240732A5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P18181	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> CD48 antigen	<b>Excitation/Emission maxima wavelengths:</b> 495 nm / 524 nm
<b>Immunogen Catalog Number:</b> EG1323	<b>Calculated MW:</b> 27 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : mouse splenocytes,
<b>Species Specificity:</b> 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

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

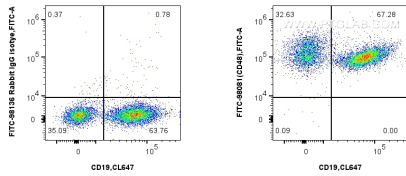
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

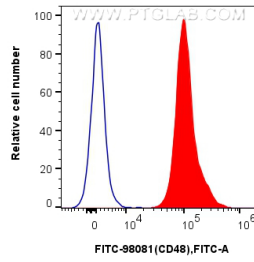
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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD19 (1D3) (CL647-65290, Clone: 1D3), and 0.25 ug FITC Plus Anti-Mouse CD48 Rabbit RecAb (FITC-98081, Clone: 240732A5) or FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug FITC Plus Anti-Mouse CD48 Rabbit RecAb (FITC-98081, Clone: 240732A5) (red) or FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9) (blue). Cells were not fixed.