

For Research Use Only

CoraLite®594 Anti-Mouse CD48 Rabbit Recombinant Antibody

Catalog Number: CL594-98081



Basic Information

Catalog Number:

CL594-98081

Concentration:

100ug, 500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1323

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

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

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:

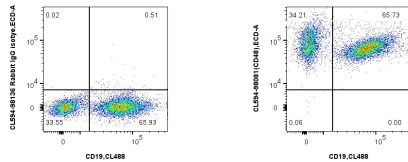
T: 4006900926

E: Proteintech-CN@ptglab.com

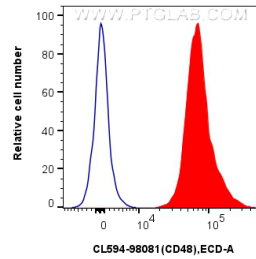
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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with CoraLite® Plus 488 Anti-Mouse CD19 (1D3) (CL488-65290, Clone: 1D3), and 0.25 ug CoraLite®594 Anti-Mouse CD48 Rabbit RecAb (CL594-98081, Clone: 240732A5) or CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug CoraLite®594 Anti-Mouse CD48 Rabbit RecAb (CL594-98081, Clone: 240732A5) (red) or CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9) (blue). Cells were not fixed.