

For Research Use Only

FcZero-rAb™ PE Anti-Human CD48 Rabbit Recombinant Antibody

Catalog Number: PE-FcA98170



Basic Information

Catalog Number:

PE-FcA98170

Size:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1005

GenBank Accession Number:

BC016182

GeneID (NCBI):

962

Full Name:

CD48 molecule

Calculated MW:

43 kDa

Purification Method:

Protein A purification

CloneNo.:

241389F8

Excitation/Emission maxima
wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human peripheral blood leukocytes,

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 and 0.5% BSA, pH7.3

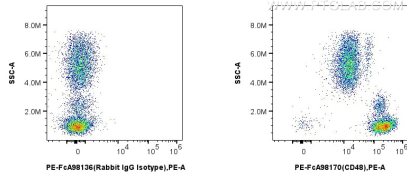
For technical support and original validation data for this product please contact:

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

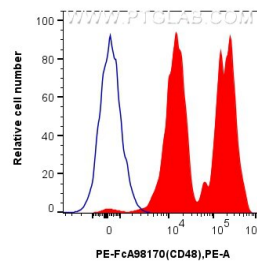
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 5 ul PE Anti-Human CD48 Rabbit RecAb (PE-FcA98170, Clone: 241389F8) or PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ human peripheral blood leukocytes were surface stained with 5 ul PE Anti-Human CD48 Rabbit RecAb (PE-FcA98170, Clone: 241389F8) (red) or PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.