

For Research Use Only

PE Anti-Mouse CD48 (HM48-1)

Catalog Number: PE-65227



Basic Information

Catalog Number:

PE-65227

Concentration:

100ug, 0.2 mg/ml

Source:

Armenian Hamster

Isotype:

IgG

GenBank Accession Number:

BC060977

GeneID (NCBI):

12506

UNIPROT ID:

P18181

Full Name:

CD48 antigen

Purification Method:

Affinity purification

CloneNo.:

HM48-1

Recommended Dilutions:

FC: 0.1 ug per 10⁶ cells in 100 μ l suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : C57BL/6 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 and 0.5% BSA, pH7.3

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

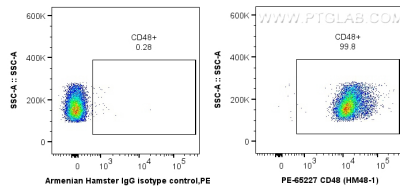
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with 0.1 ug PE Anti-Mouse CD48 (PE-65227, Clone: HM48-1), or 0.1 ug PE Armenian Hamster IgG Isotype Control (PIP) (PE-65210, Clone: PIP). Cells were not fixed.