

For Research Use Only

# PE Anti-Mouse CD48 (HM48-1)

Catalog Number: PE-65227



## Basic Information

|                                    |  |   |
|------------------------------------|--|---|
| <b>Catalog Number:</b><br>PE-65227 | <b>GenBank Accession Number:</b><br>BC060977 | <b>Purification Method:</b><br>Affinity purification                      |
| <b>Size:</b><br>100ug, 0.2 mg/ml   | <b>GeneID (NCBI):</b><br>12506               | <b>CloneNo.:</b><br>HM48-1  |
| <b>Source:</b><br>Armenian Hamster | <b>UNIPROT ID:</b><br>P18181                 | <b>Excitation/Emission maxima wavelengths:</b><br>496 nm, 565 nm / 578 nm |
| <b>Isotype:</b><br>IgG             | <b>Full Name:</b><br>CD48 antigen            |   |

## 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide and 0.5% BSA.

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

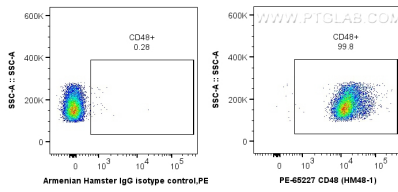
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W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



1X10<sup>6</sup> 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.