

For Research Use Only

# Anti-Mouse CD48 (HM48-1), PBS Only

Catalog Number: 65227-1-PBS



## Basic Information

Catalog Number:

65227-1-PBS

Size:

100ug , 2 mg/ml

Source:

Armenian Hamster

Isotype:

IgG

GenBank Accession Number:

BC060977

GeneID (NCBI):

12506

UNIPROT ID:

P18181

Full Name:

CD48 antigen

Purification Method:

Protein G purification

CloneNo.:

HM48-1

## 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 -80°C.

Storage Buffer:

PBS only, pH7.3

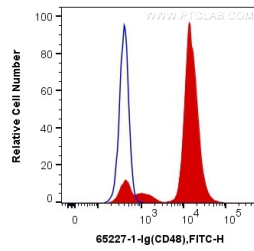
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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface stained with 0.5  $\mu$ g Anti-Mouse CD48 (65227-1-Ig, Clone:HM48-1) and FITC anti-Armenian Hamster IgG Antibody at dilution 1:100 (red), or 0.5  $\mu$ g Control Antibody. Cells were not fixed. This data was developed using the same antibody clone with 65227-1-PBS in a different storage buffer formulation.