

# CoraLite®594 Anti-Mouse CD48 (HM48-1)

Catalog Number: **CL594-65227**

## Basic Information

**Catalog Number:**

CL594-65227

**Size:**

100ug, 0.5 mg/ml

**Source:**

Armenian Hamster

**Isotype:**

IgG

**GenBank Accession Number:**

BC060977

**GeneID (NCBI):**

12506

**UNIPROT ID:**

P18181

**Full Name:**

CD48 antigen

**Purification Method:**

Protein A purification

**CloneNo.:**

HM48-1

**Excitation/Emission maxima wavelengths:**

588 nm / 604 nm

## 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

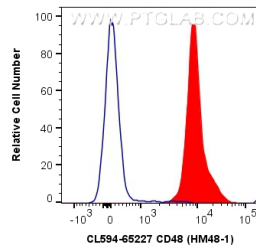
**Storage:**

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

**Storage Buffer:**

PBS with 0.09% sodium azide.

## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface stained with 0.5 ug CoraLite® 594 Anti-Mouse CD48 (CL594-65227, Clone:HM48-1) (red), or 0.5 ug Isotype Control. Cells were not fixed.