

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse CD44 (IM7)

Catalog Number: CL488-65117

1 Publications



## Basic Information

Catalog Number:

CL488-65117

Concentration:

100ug, 500 µg/ml

Source:

Rat

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC051388

GeneID (NCBI):

12505

UNIPROT ID:

P15379

Full Name:

CD44 antigen

Purification Method:

Affinity purification

CloneNo.:

IM7

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC: 0.5 ug per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC

Species Specificity:

Mouse

Cited Species:

human

Positive Controls:

IF/ICC : mouse splenocytes,

FC : mouse splenocytes,

## Background Information

CD44 is a type I transmembrane glycoprotein expressed on embryonic stem cells and in various levels on other cell types including connective tissues and bone marrow. CD44 expression is also upregulated in subpopulations of cancer cells and is recognized as a molecular marker for cancer stem cells (PMID: 29747682). It is a cell-surface receptor that mediates cell-cell and cell-matrix interactions through its affinity for hyaluronic acid (HA) and possibly also through its affinity for other ligands (PMID: 10694938). Adhesion with HA plays an important role in cell migration, tumor growth and progression. CD44 is also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis.

## Notable Publications

Author	Pubmed ID	Journal	Application
Fengtian Li	39856683	J Transl Med	

## 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:

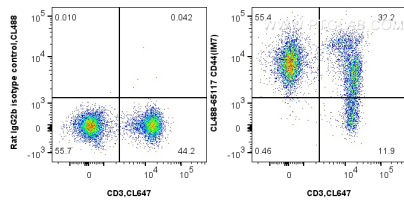
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

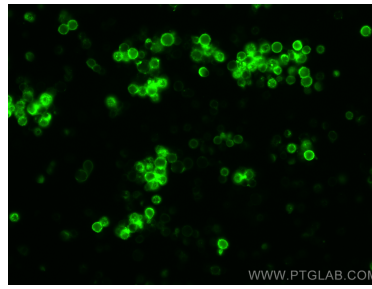
W: [ptgcn.com](http://ptgcn.com)

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> mouse splenocytes were surface stained with 0.5 ug CoraLite® Plus 488 Anti-Mouse CD44 (CL488-65117, Clone:IM7) or 0.5 ug CoraLite® Plus 488 Rat IgG2b Isotype Control (LTF-2) (CL488-65211, Clone: LTF-2), and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2). Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite® Plus 488 CD44 antibody (CL488-65117, Clone: IM7 ) at dilution of 1:100.