

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD44 (IM7)



Catalog Number: CL488-65117

Basic Information

Catalog Number: CL488-65117	GenBank Accession Number: BC051388	Purification Method: Affinity purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 12505	CloneNo.: IM7
Source: Rat	Full Name: CD44 antigen	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b, kappa		Excitation/Emission maxima wavelengths: 488 nm / 515 nm

Applications

Tested Applications: FC, IF	Positive Controls: IF : mouse splenocytes,
Species Specificity: Human, Mouse	

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.

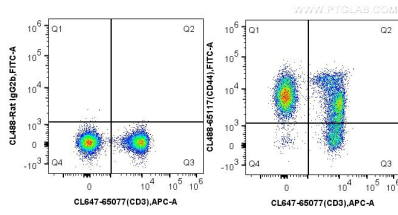
Storage

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, pH 7.3.

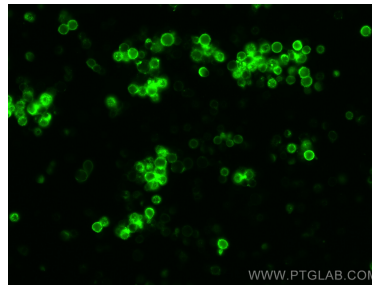
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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 5 ul CoraLite® Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2) and CoraLite® Plus 488 conjugated Rat IgG2b (left) or 5 ul CoraLite® Plus 488 Anti-Mouse CD44 (CL488-65117, Clone: IM7) (right). Cells were not fixed.



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