

For Research Use Only

Anti-Mouse CD44 (IM7)

Catalog Number: 65117-1-Ig **1 Publications**



Basic Information

Catalog Number:

65117-1-Ig

Concentration:

500ug, 0.5 mg/ml

Source:

Rat

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC051388

GeneID (NCBI):

12505

UNIPROT ID:

P15379

Full Name:

CD44 antigen

Purification Method:

Protein A purification

CloneNo.:

IM7

Recommended Dilutions:

IF/ICC: 1:50-1:400

FC: 0.5 ug per 10⁶ cells in 100 μ l suspension

Applications

Tested Applications:

IF/ICC, FC

Cited Applications:

IHC, IF

Species Specificity:

Human, Mouse

Positive Controls:

IF/ICC : HeLa cells,

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
Yi Wu	40013981	Adv Sci (Weinh)	IHC,IF

Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

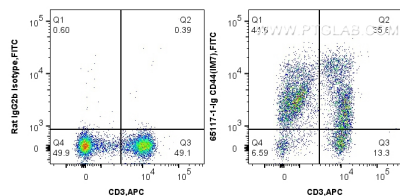
T: 4006900926

E: Proteintech-CN@ptglab.com

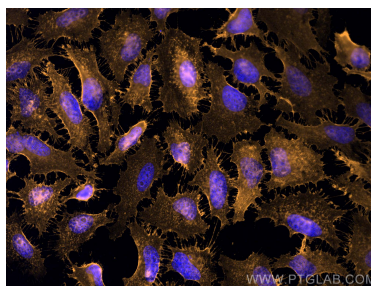
W: ptgcn.com

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Selected Validation Data



1X10⁶ C57BL/c mouse splenocytes were surface co-stained with APC Anti-Mouse CD3 (17A2), and 0.5 ug Anti-Mouse CD44 (65117-1-Ig, Clone: IM7) or 0.5 ug isotype control, and FITC anti-rat IgG2b Antibody at dilution 1:100. Cells were not fixed.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CD44 antibody (65117-1-Ig, Clone: IM7) at dilution of 1:400 and Rhodamine (TRITC)-conjugated Goat Anti-Rat IgG(H+L).