

For Research Use Only

Anti-Mouse CD44 (IM7)

Catalog Number: 65117-1-Ig



Basic Information

Catalog Number: 65117-1-Ig	GenBank Accession Number: BC051388	Purification Method: Protein A purification
Size: 500ug, 0.5 mg/ml	GeneID (NCBI): 12505	CloneNo.: IM7
Source: Rat	Full Name: CD44 antigen	Recommended Dilutions: IF 1:50-1:400
Isotype: IgG2b, kappa		

Applications

Tested Applications: FC, IF	Positive Controls: IF : HeLa cells,
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.

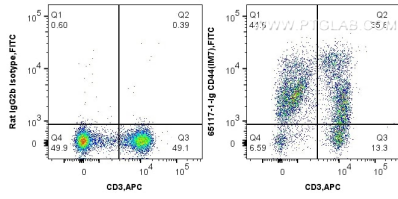
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide.

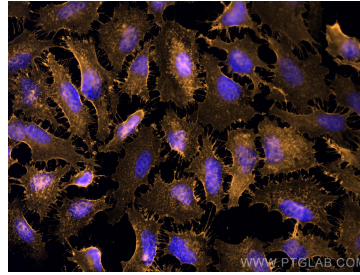
For technical support and original validation data for this product please contact:
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Selected Validation Data



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).