

For Research Use Only

Anti-Human CD44 (F10-44-2)

Catalog Number: 65063-1-Ig **1 Publications**



Basic Information

Catalog Number:

65063-1-Ig

Concentration:

100ug, 0.5 mg/ml

Source:

Mouse

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC004372

GeneID (NCBI):

960

ENSEMBL Gene ID:

ENSG00000026508

UNIPROT ID:

P16070

Full Name:

CD44 molecule (Indian blood group)

Calculated MW:

742 aa, 82 kDa

Purification Method:

Affinity purification

CloneNo.:

F10-44-2

Recommended Dilutions:

FC: 0.2 ug per 10⁶ cells in 100 μ l suspension

Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

Human

Cited Species:

human

Positive Controls:

FC : human PBMCs,

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
Junjie Liu	34707701	Exp Ther Med	FC

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:

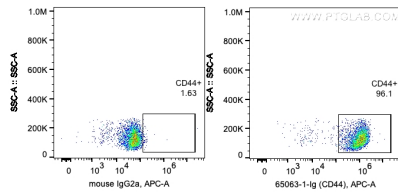
T: 4006900926

E: Proteintech-CN@ptglab.com

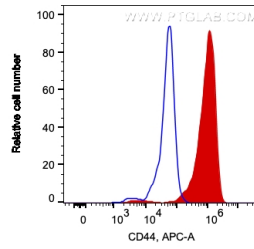
W: ptgcn.com

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Selected Validation Data



1X10⁶ human PBMCs were surface stained with 0.2 ug Anti-Human CD44 (65063-1-Ig, Clone:F10-44-2) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000, or 0.2 ug Mouse IgG2a Isotype Control (66360-2-Ig, Clone:K11A1B2A2) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000. Cells were not fixed. Lymphocytes are gated.



1X10⁶ human PBMCs were surface stained with 0.2 ug Anti-Human CD44 (65063-1-Ig, Clone:F10-44-2) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Mouse IgG2a Isotype Control (66360-2-Ig, Clone:K11A1B2A2) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (blue). Cells were not fixed. Lymphocytes are gated.