

For Research Use Only

Anti-Mouse CD44 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98359-2-PBS



Basic Information

Catalog Number:

98359-2-PBS

Concentration:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_009851.2

GeneID (NCBI):

12505

UNIPROT ID:

NP_033981

Full Name:

CD44 antigen

Calculated MW:

86 kDa

Purification Method:

Protein A purification

CloneNo.:

242666F8

Applications

Tested Applications:

FC

Species Specificity:

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

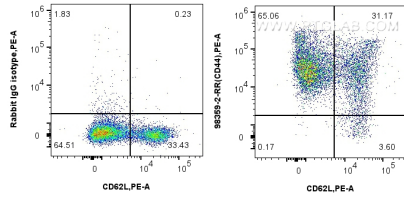
T: 4006900926

E: Proteintech-CN@ptglab.com

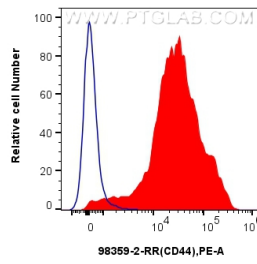
W: ptgcn.com

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.125 ug Anti-Mouse CD44 Rabbit RecAb (98359-2-RR, Clone: 242666F8) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-conjugated Goat Anti-Rabbit IgG. Cells were co-stained with APC Anti-Mouse CD62L. Cells were not fixed. This data was developed using the same antibody clone with 98359-2-PBS in a different storage buffer formulation.



1x10⁶ mouse splenocytes were surface stained with 0.125 ug Anti-Mouse CD44 Rabbit RecAb (98359-2-RR, Clone: 242666F8) (red) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-conjugated Goat Anti-Rabbit IgG. Cells were then stained with APC Anti-Mouse CD62L. Cells were not fixed. This data was developed using the same antibody clone with 98359-2-PBS in a different storage buffer formulation.