

For Research Use Only

FcZero-rAb™ PE Anti-Mouse CD44 Rabbit Recombinant Antibody

Catalog Number: PE-FcA98359-2



Basic Information

Catalog Number:

PE-FcA98359-2

Concentration:

100ug, 200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3159

GenBank Accession Number:

NM_009851.2

GeneID (NCBI):

12505

Full Name:

CD44 antigen

Calculated MW:

86 kDa

Purification Method:

Protein A purification

CloneNo.:

242666F8

Recommended Dilutions:

FC: 0.1 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

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.

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

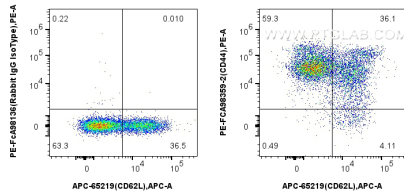
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.1 ug PE Anti-Mouse CD44 Rabbit RecAb (PE-FcA98359-2, Clone: 242666F8) or 0.1 ug PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9). Cells were then incubated with FC Receptor Block and co-stained with APC Anti-Mouse CD62L. Cells were not fixed.