

For Research Use Only

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

Catalog Number: Biotin-FcA98359-2



Basic Information

Catalog Number: Biotin-FcA98359-2	GenBank Accession Number: NM_009851.2	Purification Method: Protein A purification
Size: 100ug , 500 ug/ml	GeneID (NCBI): 12505	CloneNo.: 242666F8
Source: Rabbit	UNIPROT ID: NP_033981	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD44 antigen	Excitation/Emission maxima wavelengths: -
Immunogen Catalog Number: EG3159	Calculated MW: 86 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : mouse splenocytes,
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 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

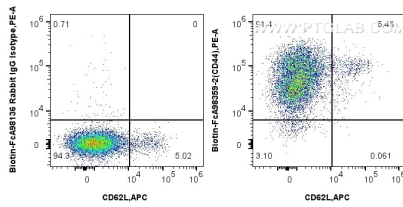
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

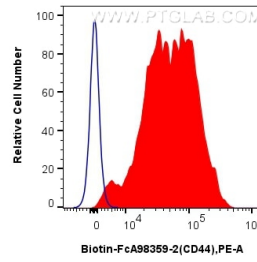
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD44 Rabbit RecAb (Biotin-FcA98359-2, Clone: 242666F8) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (Cat.No. PE-PF00030). Cells were co-stained with APC Anti-Mouse CD62L(MEL14) (APC-65219, Clone: MEL14). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD44 Rabbit RecAb (Biotin-FcA98359-2, Clone:242666F8) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (Cat.No. PE-PF00030). Cells were not fixed.