

For Research Use Only

FcZero-rAb® CoraLite® Plus 647 Anti-Human CD44 Rabbit Recombinant Antibody

Catalog Number: CL647-FcA98333-3



Basic Information

Catalog Number: CL647-FcA98333-3	GenBank Accession Number: NM_000610.3	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 960	CloneNo.: 242345G9
Source: Rabbit	ENSEMBL Gene ID: ENSG00000026508	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	UNIPROT ID: P16070-1	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG1057	Full Name: CD44 molecule (Indian blood group)	
	Calculated MW: 82 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs,
Species Specificity: human	

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:

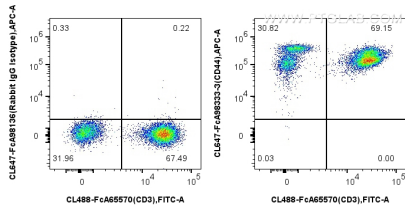
T: 4006900926

E: Proteintech-CN@ptglab.com

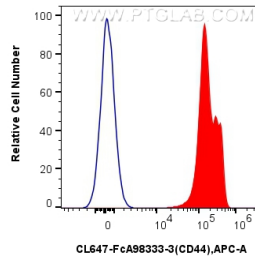
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with FcZero-rAb@ CoraLite® Plus 488 Anti-Human CD3 (UCHT1), and 5 ul CoraLite® Plus 647 Anti-Human CD44 Rabbit RecAb (CL647-FcA98333-3, Clone: 242345G9) or FcZero-rAb@ CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD44 Rabbit RecAb (CL647-FcA98333-3, Clone:242345G9) (red) or FcZero-rAb@ CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.