

For Research Use Only

APC Anti-Human CD44 (F10-44-2)

Catalog Number: APC-65063 **2 Publications**



Basic Information

Catalog Number: APC-65063	GenBank Accession Number: BC004372	Purification Method: Affinity purification
Concentration: 100 tests, 5 µl/test	GeneID (NCBI): 960	CloneNo.: F10-44-2
Source: Mouse	ENSEMBL Gene ID: ENSG00000026508	Recommended Dilutions: FC: 5 µl per 10 ⁶ cells in 100 µl suspension
Isotype: IgG2a, kappa	UNIPROT ID: P16070	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
	Full Name: CD44 molecule (Indian blood group)	
	Calculated MW: 742 aa, 82 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs,
Cited Applications: FC	
Species Specificity: Human	
Cited Species: 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Jiaqi Yang	39182069	J Nanobiotechnology	FC
Zitong Zhao	38881674	MedComm (2020)	FC

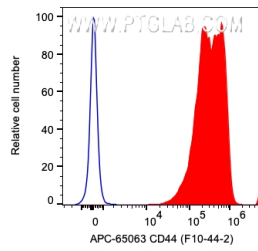
Storage

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:
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Selected Validation Data



1×10^6 human PBMCs were surface stained with 5 μ l APC Anti-Human CD44 (APC-65063, Clone: F10-44-2) or Mouse IgG2a Isotype Control. Cells were not fixed. Lymphocytes were gated.