

For Research Use Only

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



Catalog Number: APC-65063

Basic Information

Catalog Number: APC-65063	GenBank Accession Number: BC004372	Purification Method: Affinity purification
Size: 100tests, Concentration: 10 µl/test by 960 Bradford method using BSA as the standard;	GeneID (NCBI): 960	CloneNo.: F10-44-2
Source: Mouse	Full Name: CD44 molecule (Indian blood group)	
Isotype: IgG2a	Calculated MW: 742 aa, 82 kDa	

Applications

Tested Applications:
FC

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.
Storage Buffer:
PBS with 0.1% sodium azide and a stabilizer.

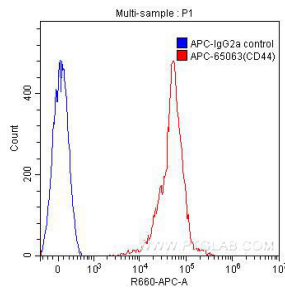
For technical support and original validation data for this product please contact:

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Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with 10 ul APC-Anti-Human CD44 (APC-65063, clone F10-44-2) (red) or 10 ul APC-mouse IgG2a isotype control (blue). Samples were not fixed.