

For Research Use Only

CoraLite® Plus 405 Anti-Human CD44 (F10-44-2) Mouse IgG2a Recombinant Antibody



Catalog Number: **CL405-65608**

Basic Information

Catalog Number: CL405-65608	GenBank Accession Number: BC004372	Purification Method: Protein A purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 960	CloneNo.: F10-44-2
Source: Mouse	ENSEMBL Gene ID: ENSG00000026508	Excitation/Emission maxima wavelengths: 399 nm / 422 nm
Isotype: IgG2a	Full Name: CD44 molecule (Indian blood group)	
	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 0.09% sodium azide and 0.5% BSA.

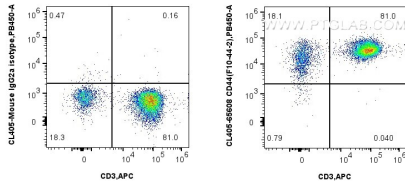
For technical support and original validation data for this product please contact:

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

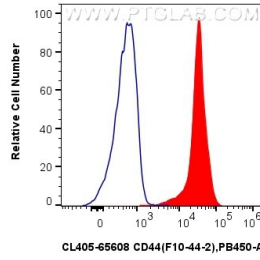
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with APC Anti-Human CD3 and 5 ul CoraLite® Plus 405 Anti-Human CD44 (F10-44-2) Mouse IgG2a Recombinant Antibody (CL405-65608, Clone: F10-44-2) (right), or CoraLite® Plus 405 Mouse IgG2a Isotype Control (C1.18.4) (CL405-65208, Clone: C1.18.4) (left). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 405 Anti-Human CD44 (F10-44-2) Mouse IgG2a Recombinant Antibody (CL405-65608, Clone: F10-44-2) (red), or CoraLite® Plus 405 Mouse IgG2a Isotype Control (C1.18.4) (CL405-65208, Clone: C1.18.4) (blue). Cells were not fixed. Lymphocytes were gated.