

For Research Use Only

CoraLite®594-conjugated CD44 Monoclonal antibody



Catalog Number:CL594-60224

Basic Information

Catalog Number: CL594-60224	GenBank Accession Number: BC004372	Purification Method: Protein A purification
Size: 100UL, Concentration: 1280 µg/ml by 960 Bradford method using BSA as the standard;	GeneID (NCBI): 6F4H2	CloneNo.: 6F4H2
Source: Mouse	Full Name: CD44 molecule (Indian blood group)	Recommended Dilutions: IF 1:50-1:200
Isotype: IgG2a	Calculated MW: 742 aa, 82 kDa	Excitation/Emission maxima wavelengths: 593 nm/614 nm
Immunogen Catalog Number: AG7633		

Applications

Tested Applications: IF, ELISA	Positive Controls: IF : MCF-7 cells,
Species Specificity: human, pig	

Background Information

CD44 is a type I transmembrane glycoprotein that mediates cell-cell and cell-matrix interactions through its affinity for hyaluronic acid (HA) and possibly also through its affinity for other ligands. 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. This protein exists in multiple forms (with molecular weight ranging from 16 kDa to over 200 kDa) generated by alternative RNA splicing and extensive post-translational modifications. The antibody is conjugated with CL594, Ex/Em 593 nm/614 nm.

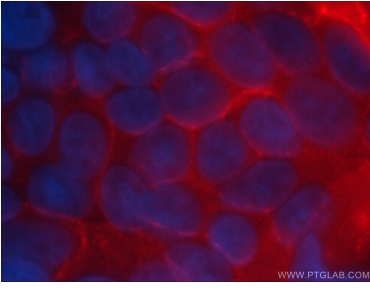
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using CL594-60224 (CD44 antibody) at dilution of 1:50.