

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: 1000 µg/ml	GeneID (NCBI): 960	CloneNo.: 6F4H2
Source: Mouse	ENSEMBL Gene ID: ENSG00000026508	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	UNIPROT ID: P16070	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG7633	Full Name: CD44 molecule (Indian blood group)	
	Calculated MW: 742 aa, 82 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF : human lung cancer tissue,
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 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

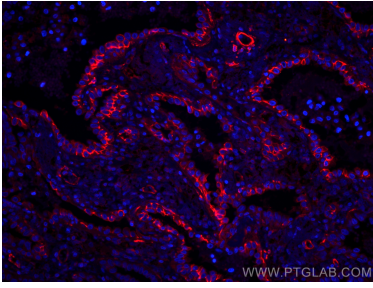
T: 4006900926

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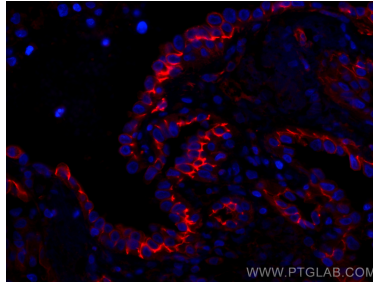
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using CoraLite®594 CD44 antibody (CL594-60224, Clone: 6F4H2) at dilution of 1:200.



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