

LYVE1

Mouse Anti-Human LYVE-1 (Clone 7F13) mAb

Catalog No.	CML102	Quantity:	100 µg
Alternate Names:	Lymphatic vessel endothelial hyaluronic acid receptor 1, LYVE-1, Cell surface retention sequence-binding protein 1, CRSBP-1, Extracellular link domain-containing protein 1, Hyaluronic acid receptor		
Description:	LYVE-1 has been identified as a major receptor for HA (extracellular matrix glycosaminoglycan hyaluronan) on the lymph vessel wall. The deduced amino acid sequence of LYVE-1 predicts a 322-residue type I integral membrane polypeptide 41% similar to the CD44 HA receptor with a 212-residue extracellular domain containing a single Link module the prototypic HA binding domain of the Link protein superfamily. Like CD44, the LYVE-1 molecule binds both soluble and immobilized HA. However, unlike CD44, the LYVE-1 molecule colocalizes with HA on the luminal face of the lymph vessel wall and is completely absent from blood vessels. Hence, LYVE-1 is the first lymph-specific HA receptor to be characterized and is a uniquely powerful marker for lymph vessels themselves.		
UniProt ID:	Q9Y5Y7		
Specificity:	Recognizes human LYVE1		
Source:	Cell culture supernatant		
Immunogen:	Recombinant human LYVE1 (extracellular domain)		
Isotype:IgG2	Mouse IgG2		
Clone:	7F13		
Formulation:	Lyophilized from sterile-filtered PBS		
Purification:	Protein G affinity chromatography		
Cross-Reactivity:	Reactivity to other species has not been tested.		
Applications:	Western Blot: suggested dilution of 1:500-1000.		
Reconstitution:	Centrifuge vial briefly prior to opening. Add 500 µl sterile PBS to the vial for a concentration of 200 µg/ml. Gently mix, allow a few minutes to solubilize completely. Do not vortex.		
Storage & Stability:	Lyophilized antibody is stable for at least 1 year from the date of receipt at -80°C. Reconstituted antibody stock solution may be stored in single-use aliquots at -20° to -80° C for at least six months. Avoid repeated freeze-thaw cycles.		

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