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32-5989: Mouse Anti Human Lymphatic Vessel Endothelial Hyaluronic Acid Receptor 1(Clone:P4G1AT.)

Clonality :	Monoclonal
Clone Name :	P4G1AT.
Application :	ELISA,WB
Gene :	LYVE1
Gene ID :	10894
Uniprot ID :	Q9Y5Y7
Format :	Purified
Alternative Name :	Lymphatic vessel endothelial hyaluronic acid receptor 1 precursor,LYVE-1,Cell surface retention sequence-binding protein 1,CRSBP-1,Hyaluronic acid receptor,Extracellular link domain-containing protein.
Isotype :	Mouse IgG2b heavy chain and ? light chain.
Immunogen Information :	Anti-human LYVE1 mAb is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with recombinant human LYVE1 amino acids 25-235 purified from E. coli.

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.

Product Info

Amount :	20 µg
Purification :	LYVE1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

LYVE1 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 1,000. Recommended starting dilution is 1:1,000.