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anti-LYVE1 antibody (AA 24-226)

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Publications



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Quantity:	0.1 mg
Target:	LYVE1
Binding Specificity:	AA 24-226
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LYVE1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure recombinant Mouse soluble LYVE-1 produced in insect cells. This recombinant soluble LYVE-1 consists of amino acid 24 (Ala) to 228 (Gly) and is fused to a C-terminal His-tag (6xHis).
Specificity:	This antibody detetos Lyve-1.
Cross-Reactivity (Details):	Species reactivity (tested):Mouse. This antibody is not reactive with Human LYVE-1.
Purification:	Protein G Chromatography (+ his tag depletetion)

Target Details

Target:	LYVE1
Alternative Name:	LYVE-1 (LYVE1 Products)

Target Details

Background:	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- esidue 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- 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 lymphspecific HA receptor to be characterized and is a uniquely powerful marker for
	lymph vessels themselves. Synonyms: CRSBP-1, CRSBP1, Cell surface retention sequence-
	binding protein 1, Extracellular link domain-containing protein 1, HAR, Hyaluronic acid receptor,
	LYVE1, Lymphatic vessel endothelial hyaluronic acid receptor 1, XLKD1
Gene ID:	114332
NCBI Accession:	NP_444477
UniProt:	Q8BHC0
Pathways:	Glycosaminoglycan Metabolic Process
Application Details	
Application Notes:	ELISA (1-15 μg/mL). Western blot (1-2 μg/mL). FACS analysis (3-20 μg/mL).
	Immunohistochemistry on Frozen Sections (1-5 µg/mL). For formalin-fixed, paraffin-embedded
	sections use the immunogen affinity purifiedantibody ABIN115689.
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Reconstitution:	Restore in sterile water/PBS to a concentration of > 0.5 mg/mL.
Buffer:	PBS, pH 7.2 without preservatives or stabilizers
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	The lyophilized IgG is stable at 2-8 °C for one month and at -20 °C for longer. When

reconstituted the antibody is stable for at least six weeks at 2-8 $^{\circ}$ C. For longer store in aliquots at -20 $^{\circ}$ C.

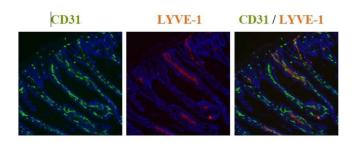
Publications

Product cited in:

Betz, Blood, Blood: "University students' perceptions of pre-school and kindergarten children who stutter." in: **Journal of communication disorders**, Vol. 41, Issue 3, pp. 259-73, (2008) (PubMed).

There are more publications referencing this product on: Product page

Images



Immunofluorescence

Image 1. Staining of mouse colon using a CD31 antibody (green) and Lyve-1 antibody (red).