

Product datasheet for **DP3513B**

Lyve1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FC, IHC, WB
Recommended Dilution:	The unconjugated antibody can be used for ELISA (1-15 µg/ml), Western blotting (1-2 µg/ml with the appropriate secondary reagents), FACS (3-20 µg/ml together with the appropriate secondary reagents) and Cell sorting. The antibody is also suitable for Immunohistochemistry on Paraffin as well as on Frozen Sections (0.25-4 µg/ml).
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure recombinant Mouse soluble LYVE-1 produced in insect cells (Cat.-No DA3524).
Specificity:	This antibody detects Mouse and Rat Lyve-1. This antibody is not reactive with Human LYVE-1.
Formulation:	PBS, pH 7.4 Label: Biotin State: Lyophilized purified Ig fraction Stabilizer: 50x BSA Preservative: 0.02% Sodium Azide
Reconstitution Method:	Restore with sterile water to a concentration of 0.1-1.0 µg/ml. Centrifuge vial prior to opening.
Purification:	Antigen Affinity Chromatography
Conjugation:	Biotin
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	lymphatic vessel endothelial hyaluronan receptor 1



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Database Link: [Entrez Gene 114332 Mouse](#)
[Q8BHC0](#)

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-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.

Synonyms: LYVE1, CRSBP-1, CRSBP1, HAR, XLKD1