

Product datasheet for **DP3513**

Lyve1 Rabbit Polyclonal Antibody

Product data:

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|------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | ELISA, FC, IF, IHC, WB |
| Recommended Dilution: | ELISA (1-15 µg/ml). Western blot (1-5 µg/ml). FACS analysis (3-10 µg/ml). Immunofluorescence. Immunohistochemistry on Frozen Sections (1-5 µg/ml). For formalin-fixed, paraffin-embedded sections use the immunogen affinity purified antibody <i>Cat.-No DP3513P</i> . |
| Reactivity: | Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Highly pure recombinant Mouse soluble LYVE-1 (Ala24-Gly228) produced in insect cells <i>Cat.-No DA3524</i> . 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 detects Mouse and Rat Lyve-1. This antibody is not reactive with Human LYVE-1. |
| Formulation: | PBS, pH 7.2 without preservatives or stabilizers State: Purified State: Lyophilized purified IgG fraction |
| Reconstitution Method: | Restore in sterile water to a concentration of 0.1-1.0 mg/ml. |
| Purification: | Protein G Chromatography (+his tag depletion) |
| Conjugation: | Unconjugated |
| Storage: | 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°C. For longer store in aliquots at -20°C. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |



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Gene Name: lymphatic vessel endothelial hyaluronan receptor 1

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

Product images:

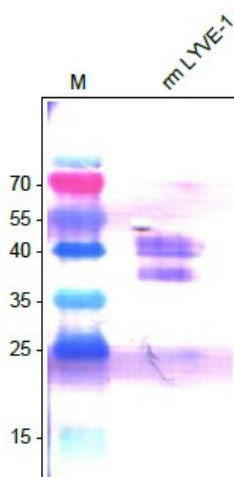


Figure 5. Western Analysis of anti-Mouse LYVE-1 Antibody. Sample was loaded in 15% SDS-polyacrylamide gel under reducing conditions.

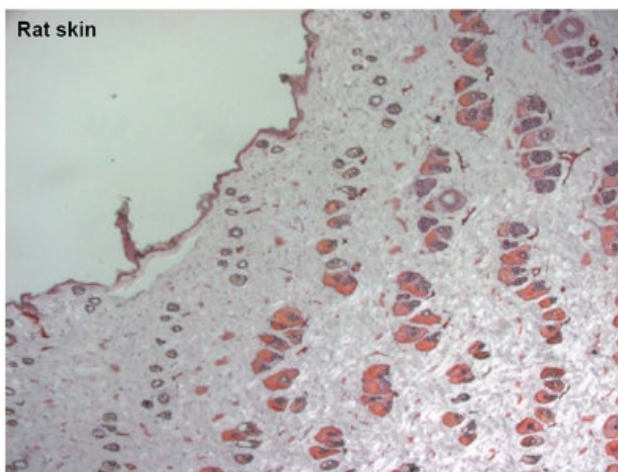


Figure 2. Immunohistochemistry with Cryo sections from Rat Skin using anti-Mouse LYVE-1 antibody



Figure 3. Immunohistochemistry with Cryo sections from Rat Tumor Tissue using anti-Mouse LYVE-1 antibody

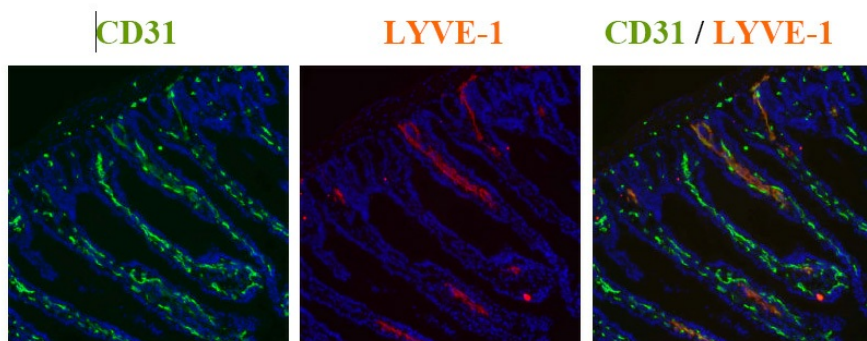


Figure 1. Staining of mouse colon using a CD31 antibody (green) and Lyve-1 antibody (red). Picturted originate from Dr. Ulrike Fiedler and Stefanie Koidel, Dept. of Vascular Biology and Angiogenesis Research Tumor Biology center, Freiburg, Germany.

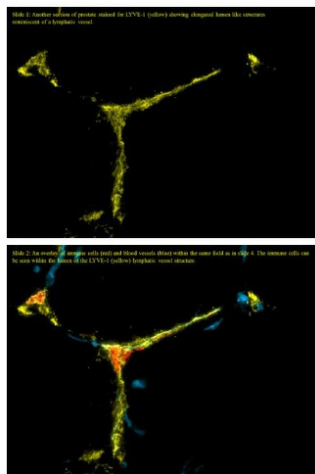


Figure 4. LYVE-1 and CD31 staining on frozen sections (5um) of the Mouse prostate. The experiments were performed by Scott Gerber & Edith Lord, PhD, University of Rochester, USA.