

## Product datasheet for **DP3513S**

### Lyve1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	<b>ELISA</b> (1-15 µg/ml). <b>Western blot</b> (1-5 µg/ml). <b>FACS analysis</b> (3-10 µg/ml). <b>Immunofluorescence.</b> <b>Immunohistochemistry on Frozen Sections</b> (1-5 µg/ml). For formalin-fixed, paraffin-embedded sections use the immunogen affinity purified antibody <i>Cat.-No</i> DP3513P.
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure recombinant Mouse soluble LYVE-1 (Ala24-Gly228) produced in insect cells <i>Cat.-No</i> DA3524). 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 <b>not reactive</b> 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/PBS 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.



[View online »](#)

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

### Product images:

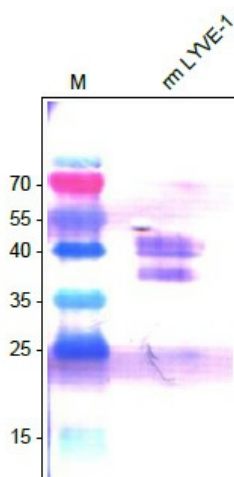


Figure 5. Western Analysis of anti-Mouse LYVE-1 Antibody. Sample was loaded in 15% SDS-polyacrylamide gel under reducing conditions.

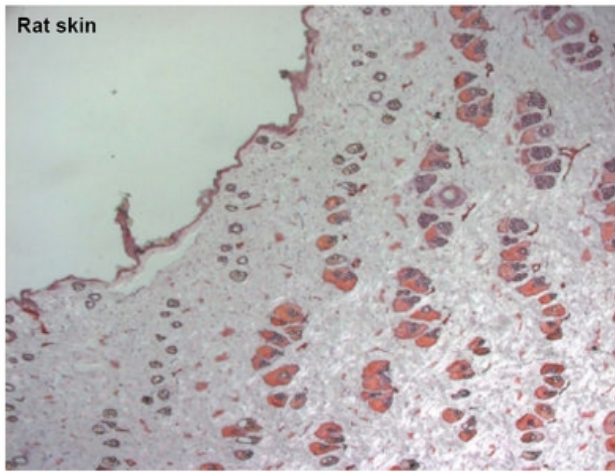


Figure 2. Immunohistochemistry with Cryo sections from Rat Skin using anti-Mouse LYVE-1 antibody

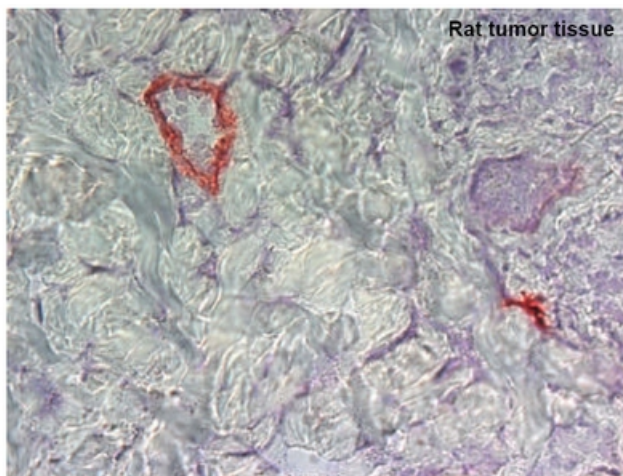


Figure 3. Immunohistochemistry with Cryo sections from Rat Tumor Tissue using anti-Mouse LYVE-1 antibody

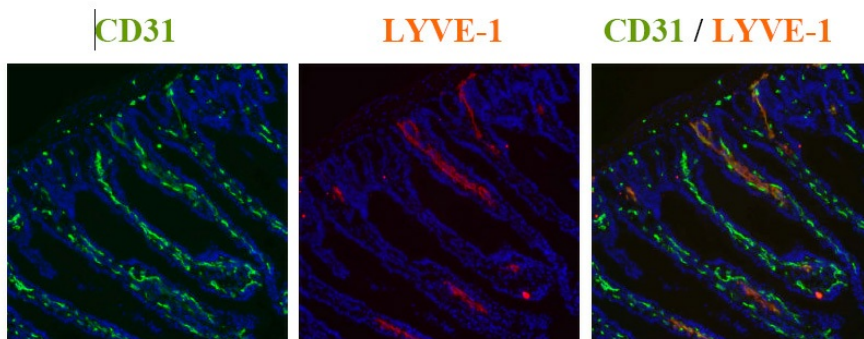


Figure 1. Staining of mouse colon using a CD31 antibody (green) and Lyve-1 antibody (red). Picturtd originate from Dr. Ulrike Fiedler and Stefanie Koidel, Dept. of Vascular Biology and Angiogenesis Research Tumor Biology center, Freiburg, Germany.

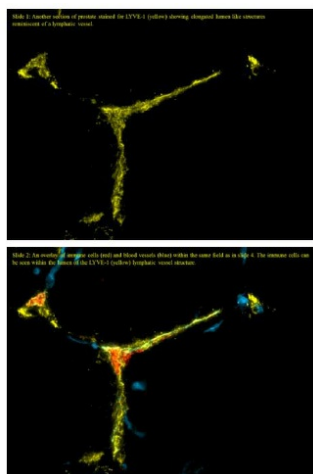


Figure 4. LYVE-1 and CD31 staining on frozen sections (5um) of the Mouse prostate. The experiments were performed by Scott Gerber & Edith Lord, PhD, University of Rochester, USA.