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## Anti-mouse LYVE-1

**Description:** Produced from sera of rabbits immunized with highly pure recombinant mouse soluble LYVE-1 produced in insect cells. The recombinant soluble LYVE-1 consists of amino acid 24 (Ala) to 228 (Gly) and is fused to a C-terminal His-tag (6xHis).

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.

<b>Host species:</b>	Rabbits
<b>Antigen:</b>	Recombinant mouse soluble Lyve-1
<b>Purification:</b>	Protein-A Chromatography (+his tag depleted)
<b>Stabilizer:</b>	none
<b>Buffer:</b>	PBS, pH 7.2 w/o preservative
<b>Formulation:</b>	lyophilized

**Reconstitution:** The lyophilized IgG is stable at 4°C for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile water/PBS to a concentration of >0.5 mg/ml the antibody is stable for at least six months at 2-4°C. **Avoid repeated freeze-thaw cycles.**

### *Applications*

**ELISA:** Use at 1-15 µg/ml.

**Western blot analysis:** Use at a concentration of 1-2 µg/ml with the appropriate secondary reagents.

**FACS analysis:** Use at 3-20 µg/ml together with the appropriate secondary reagents

**Immunohistochemistry:** Works with cryosections!

*Optimal dilutions should be determined by each laboratory for each application.*

**Usage:** Anti-mouse Lyve-1 is offered for research use. Not for drug use. **Not for human use.**

**Catalogue number:** 103-PA50

**Size:** 200 µg

**Literature:** [Carriera et al., Cancer Res 61:8079, 2001; Jackson DG Trends Cardiovasc Med 13:1, 2003; Sleeman et al., Microsc Res Tech 55:61, 2001 ; Mäkinen et al., EMBO J 20 : 4762, 2001]

**\*\*Please note: always centrifuge product before opening vial!\*\***