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Antigen-Affinity Purified Polyclonal Antibodies

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.

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|----------------------|----------------------------------|
| Host species: | Rabbits |
| Antigen: | Recombinant mouse soluble Lyve-1 |
| Purification: | Antigen-Affinity Purified |
| Stabilizer: | none |
| Buffer: | PBS, pH 7.4 w/o preservative |
| Formulation: | lyophilized rabbit IgG |

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

Applications

ELISA: Use at 1-15 µg/ml.

Western 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: The antibody works on paraffin as well as on frozen sections. Use at 0,25 - 4 µg/ml.

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-PA50AG

Size: 50 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 vials before opening!****