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Anti-mouse LYVE-1
Protein A Purified Polyclonal Antibody

Catalog No:	PA0844A	**Size:**	100 µg
	PA0844B	**Size:**	200 µg

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 super family. Like CD44, the LYVE-1 molecule binds both soluble and immobilized HA. However, unlike CD44, the LYVE-1 molecule co-localizes 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.

Host species: Rabbits

Antigen: Recombinant mouse soluble Lyve-1

Purification: Protein-A Chromatography (+his tag depleted)

Stabilizer: none

Buffer: lyophilized from PBS, pH 7.4 w/o preservative

Formulation: lyophilized rabbit IgG

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 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.

Immunohistochemistry: Not determined so far! Under work!

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

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