Polyclonal Antibody to LYVE-1 - Purified

Alternate names: CRSBP-1, CRSBP1, Cell surface retention sequence-binding protein 1, Extracellular link domain-containing protein 1, HAR, Hyaluronic acid receptor, LYVE1, Lymphatic vessel endothelial hyaluronic acid receptor 1, XLKD1

Catalog No.: DP3513
Quantity: 0.2 mg

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 lymphspecific HA receptor to be characterized and is a uniquely powerful marker for lymph vessels themselves.

Uniprot ID: Q8BHC0
NCBI: NP_444477.2
GeneID: 114332
Host: Rabbit
Immunogen: Highly pure recombinant Mouse soluble LYVE-1 produced in insect cells. This recombinant soluble LYVE-1 consists of amino acid 24 (Ala) to 228 (Gly) and is fused to a C-terminal His-tag (6xHis).

Format: State: Lyophilized purified IgG fraction
Purification: Protein G Chromatography (+ his tag depletetion)
Buffer System: PBS, pH 7.2 without preservatives or stabilizers
Reconstitution: Restore in sterile water/PBS to a concentration of > 0.5 mg/ml.

Applications: ELISA (1-15 µg/ml).
Western blot (1-2 µg/ml).
FACS analysis (3-20 µg/ml).
Immunohistochemistry on Frozen Sections (1-5 µg/ml).

Specificity: This antibody detects Lyve-1.
Species Reactivity: Tested: Mouse. This antibody is not reactive with Human LYVE-1.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.
Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com
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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. Shelf life: one year from despatch.

Product Citation:

General References:

Pictures:

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<tr>
<th>CD31</th>
<th>LYVE-1</th>
<th>CD31 / LYVE-1</th>
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Figure 1. Staining of mouse colon using a CD31 antibody (green) and Lyve-1 antibody (red). Pictured originate from Dr. Ulrike Fiedler and Stefanie Koidel, Dept. of Vascular Biology and Angiogenesis Research Tumor Biology center, Freiburg, Germany.
Figure 2. Immunohistochemistry with Cryo sections from Rat Skin using anti-Mouse LYVE-1 antibody (DP3513/DP3513S)

Figure 3. Immunohistochemistry with Cryo sections from Rat Tumor Tissue using anti-Mouse LYVE-1 antibody (DP3513/DP3513S)