

Recombinant Mouse Lymphatic Vessel Endothelial Hyaluronan Receptor 1

Cat. No. Lyve1-5071M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lyve1 was expressed in Insect cells and purified by using conventional chromatography techniques.
Species	Mouse
Source	Mouse
Description	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.
Form	Supplied as a lyophilized powder with no preservative. Reconstitute in sterile water to a concentration > 0.05mg/ml.
Purity	> 95% by SDS - PAGE
Molecular Mass	35-45 kDa
Applications	Numerous applications are possible with this product and should be tested by the end user under their own laboratory conditions

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Endotoxin Levels <0.1 ng per ug of VEGF-C

Storage Store at -70 deg C until reconstitution. Following reconstitution product should be aliquoted and frozen at -20 deg C. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name [Lyve1 lymphatic vessel endothelial hyaluronan receptor 1 \[Mus musculus \]](#)

Official Symbol Lyve1

Synonyms Lyve1; lymphatic vessel endothelial hyaluronan receptor 1; Xlkd1; Lyve-1; Crsbp-1; 1200012G08Rik; lymphatic vessel endothelial HA receptor-1

Gene ID [114332](#)

mRNA Refseq [NM_053247](#)

Protein Refseq [NP_444477](#)

UniProt ID Q8BHC0

Chromosome Location 7 F2

Function binding; hyaluronic acid binding; receptor activity; transmembrane receptor activity

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