

Recombinant Mouse sLYVE-1

Catalog No:	CRL605A CRL605B	Size: 5 µg Size: 25 µg
Description:	<p>A DNA sequence encoding the extracellular domain of mouse LYVE-1 (Met 1–Gly 228) was fused to a C-terminal His-tag (6xHis) and expressed in insect cells. Based on N-terminal sequence analysis, the primary structure of recombinant mature sLYVE-1 starts at Ala24. sLYVE-1 has a calculated monomeric molecular mass of about 25kDa but as a result of glycosylation, migrates at approximately 35 - 45 kDa under reducing conditions in SDS-PAGE. 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.</p>	
Source:	Insect cells	
Molecular Weight:	~35-45 kDa	
Purity:	Greater than 95%, by SDS-PAGE and visualised by silver stain	
Endotoxin level	Less than 0.1 ng per µg of VEGF-C	
Stabilizer:	none	
Buffer:	none	
Formulation:	lyophilized	
Reconstitution:	The lyophilized sLYVE-1 is soluble in water and most aqueous buffers. The lyophilized sLYVE-1 should be reconstituted in PBS or medium to a concentration not lower than 50 µg/ml.	
Stability:	Lyophilized samples are stable for greater than six months at –20°C to –70°C. Reconstituted sLYVE-1 should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles!	

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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