Recombinant Human LYVE1

Cat. No. LYVE1-156H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Lymphatic Vessel Endothelial Hyluronan Receptor-1 protein expressed in*E.coli*encodes amino acids 243-323 and has a molecular mass of 36 kDa.
Species	Human
Source	E.coli
Description	The pace of research into the lymphatic system continues to accelerate with the availability of new molecular markers. One such marker, LYVE-1, the lymphatic receptor for the extracellular matrix mucopolysaccharide hyaluronan, has been a key component of many important studies on embryonic and tumour-induced lymphangiogenesis, and continues to be used for the detection and isolation of lymphatic endothelial cells. However, LYVE-1 is interesting in its own right. Being a member of the Link protein family whose only other major hyaluronan receptor is directly involved in leukocyte migration and tumor metastasis, LYVE-1 is already implicated in the trafficking of cells within lymphatic vessels and lymph nodes. The current challenge is to determine the precise roles played by LYVE-1 and other scavenger type receptors in the immune functions of the lymphatics as well as to use LYVE-1 and other markers to investigate the way in which tumours exploit lymphatic vessels for metastasis.
Formulation	Recombinant Human LYVE-1 protein at 100μg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.

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Application And Suggested Dilutions	•ELISA •Inhibition Assays •Western Blotting.
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 36kDa.
Storage & Stability	Store vial at -20°Cto -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

GENE INFORMATION

Gene Name	LYVE1 lymphatic vessel endothelial hyaluronan receptor 1 [Homo sapiens]
Synonyms	lymphatic vessel endothelial hyaluronan receptor 1; HAR; XLKD1; LYVE-1; CRSBP-1; LYVE1; hyaluronic acid receptor; extracellular link domain containing 1; extracellular link domain-containing 1; cell surface retention sequence binding protein-1; CRSBP1; Cell surface retention sequence-binding protein 1; Extracellular link domain-containing protein 1; Hyaluronic acid receptor
Gene ID	10894
mRNA Refseq	NM_006691
Protein Refseq	NP_006682
MIM	605702
UniProt ID	Q9Y5Y7
Function	transmembrane receptor activity; hyaluronic acid binding; binding

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