



Product Datasheet

Product Name	Lymphatic Vessel Endothelial Hyaluronic Acid Receptor 1 (25-235 a.a) Human Recombinant
Cata No	CB501437
Source	<i>High Five insect cells</i>
Synonyms	HAR, XLKD1, LYVE-1, CRSBP-1, LYVE1, Lymphatic vessel endothelial hyaluronic acid receptor 1 precursor, Cell surface retention sequence-binding protein 1, Hyaluronic acid receptor, Extracellular link domain-containing protein.

Description

LYVE1 is a selective marker of the lymphatic endothelium & a surface endocytic receptor for both soluble and immobilized hyaluronan, LYVE1 is an extracellular glycosaminoglycan that plays a role in cell adhesion and migration. LYVE1 functions in lymphatic hyaluronan transport and is involved in tumor metastasis. Recombinant human LYVE1 was expressed in and purified by conventional chromatography techniques. The normal adult human choroid is endowed with a significant number of LYVE-1 positive macrophages. LYVE-1 is expressed in a reticulum cell neoplasm in an axillary lymph node. This reticulum cell sarcoma is a lymphatic sinus lining cell sarcoma which might represent another subtype of reticulum cell sarcomas.

LYVE-1 immunohistochemistry is a functional method for detecting lymphatics invaded by cancer cells, and detailed examination of the submucosa around the tumor is important for predicting LN metastasis.

LYVE1 Human Recombinant produced in insect cells is a single, glycosylated polypeptide chain containing 229 amino acids and having a molecular mass of 24.8 kDa. As a result of glycosylation, the LYVE1 migrates on SDS-PAGE at approximately 50 kDa.

Physical Appearance

Sterile Filtered colorless solution.

Purity

Greater than 90.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Formulation

The LYVE1 protein solution contains 20mM TRIS pH-7.5 and 10% Glycerol.

Stability

LYVE1 although stable 4°C for 4 weeks, should be stored desiccated below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Sequence

DPLRAEELS IQVSCRIMGI TLVSKKANQQ
LNFTEAKEAC RLLGLSLAGK DQVETALKAS
FETCSYGWVG DGFVVISRIS PNPKCGKNGV
GVLIRKVPVS RQFAAYCYNS SDTWTNSCIP
EIITTKDPIF NTQTATQTTE FIVSDSTYSV
ASPYSTIPAP TTPPAPAST SIPRRKKLIC
VTEVFMETST MSTETEPFVE NKA AFKNEEA
GFGGSGRLVP RGS HHHHHH.

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