

## LYVE1 Human 25-235 a.a.

**Description:**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.

**Catalog #:**PKPS-356

**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.

For research use only.

**Source:**High Five insect cells.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**DPLRAEELS IQVSCRMGI TLVSKKANQQ LNFTEAKEAC  
RLGLSLAGK DQVETALKAS FETCSYGWVG DGFVVISRIS PNPCKGKNGV GVLIRKVPVS  
RQFAAYCYNs SDTWTNSCIP EIITKDPIF NTQTATQTTE FIVSDSTYSV ASPYSTIPAP  
TTTTPPAPAST SIPRRKKLIC VTEVFMETST MSTETEPFVE NKA AFKNEAA GFGGSGRLVP  
RGSHHHHHH.

**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 buffer 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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

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.

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