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**Product Data Sheet**


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Product Name: LYVE1 Human 25-235 a.a.

Cat. No.: GP22540

Batch No.: 1

**Product Data**

Purity	>98%	Source	High Five insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	DPLRAEELS IQVSCRIMGI TLVSKKANQQ LNFTEAKEAC RLLGLSLAGK DQVETALKAS FETCSYGWVG DGFVVISRIS PNPKCGKNGV GVLIRKVPVS RQFAAYCYNS SDTWTNSCIP EIITTKDPIF NTQTATQTTE FIVSDSTYSV ASPYSTIPAP TTTTPAPAST SIPRRKKLIC VTEVFMETST MSTETEPFVE NKA AFKNEAA GFGGSGRLVP RGS HHHHHH.		
Formulation	The LYVE1 protein solution contains 20mM Tris buffer pH-7.5 and 10% Glycerol.		

**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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

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.

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