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Datasheet for ABIN6719878

## LYVE1 ELISA Kit





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Quantity:	1 kit
Target:	LYVE1
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

#### **Product Details**

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen	
Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Tissue Homogenate	
Analytical Method:	Quantitative	
Detection Method:	Colorimetric	
Characteristics:	Synonyms: cell surface retention sequence binding protein-1, Cell surface retention sequence-	

Synonyms: cell surface retention sequence binding protein-1, Cell surface retention sequence-binding protein 1, CRSBP-1, CRSBP1, extracellular link domain containing 1, extracellular link domain-containing 1, Extracellular link domain-containing protein 1, HAR, Hyaluronic acid receptor, lymphatic vessel endothelial hyaluronan receptor 1, Lymphatic vessel endothelial hyaluronic acid receptor 1, LYVE-1, LYVE1, LYVE1\_HUMAN, XLKD1

Background: Extracellular link domain containing 1, also known as LYVE-1 or XLKD1 is a human

gene. The International Radiation Hybrid Mapping Consortium mapped the LYVE1 gene to chromosome 11p15.4. This gene encodes a type I integral membrane glycoprotein. The

encoded protein acts as a receptor and binds to both soluble and immobilized hyaluronan. This protein may function in lymphatic hyaluronan transport and have a role in tumor metastasis. This gene may play a role in autocrine regulation of cell growth mediated by growth regulators containing cell surface retention sequence binding(CRS). It may act as a hyaluronan(HA) transporter, either mediating its uptake for catabolism within lymphatic endothelial cells themselves, or its transport into the lumen of afferent lymphatic vessels for subsequent reuptake and degradation in lymph nodes.

Gene Name: LYVE1

Production: Natural and recombinant human LYVE-1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: S24-T238

# **Target Details**

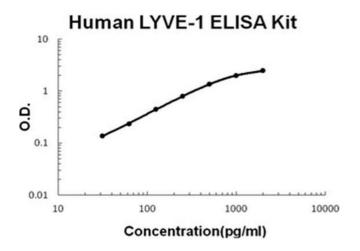
Target:	LYVE1
Alternative Name:	LYVE-1 (LYVE1 Products)
Gene ID:	10894
NCBI Accession:	NP_006682
UniProt:	Q9Y5Y7
Pathways:	Glycosaminoglycan Metabolic Process

Application Details	
Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot
	0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL,
	31.2pg/mL human LYVE-1 standard solutions into the precoated 96-well plate. Add 0.1 mL of
	the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted
	sample of human cell culture supernates, cell lysates or tissue homogenates to each empty
	well. It is recommended that each human LYVE-1 standard solution and each sample be
	measured in duplicate.
	ELISA Dilution: 31.2pg/mL-2000pg/mL
Sample Volume:	100 μL
Plate:	Pre-coated
Restrictions:	For Research Use only

### Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at
	room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only
	prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid
	cycles of freezing and thawing.

# **Images**



#### **ELISA**

**Image 1.** Human LYVE-1 Accusignal ELISA Kit Human LYVE-1 AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.