

## Human LYVE-1 ELISA Kit | LYVE1 elisa kit

Human LYVE-1 PicoKine ELISA Kit

CATALOG #  
**AAA45747**

REACTIVITY  
**Human**

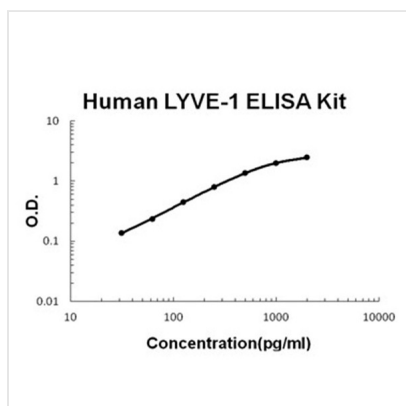
### PRODUCT SYNONYMS

LYVE-1; Human LYVE-1 PicoKine ELISA Kit; Lymphatic vessel endothelial hyaluronic acid receptor 1; lymphatic vessel endothelial hyaluronan receptor 1; 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; LYVE1; LYVE1\_HUMAN; XLKD1; LYVE1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                 |
| Specificity             | Natural and recombinant human LYVE-1                                                                                                                  |
| Sequence Length         | 322                                                                                                                                                   |
| Samples                 | Cell culture supernates, Cell lysates and tissue homogenates                                                                                          |
| Assay Type              | Sandwich                                                                                                                                              |
| Detection Range         | 31.2pg/ml-2000pg/ml                                                                                                                                   |
| Sensitivity             | < 10pg/ml                                                                                                                                             |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.      |
| Inter-assay Precision   | Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)                            |

### IMAGES



Standard Curve (Sample)

Human LYVE-1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

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| Related Product Information for LYVE1 elisa kit | <p><b>Principle of the assay:</b> human LYVE-1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for LYVE-1 has been precoated onto 96-well plates. Standards(NSO, S24-T238) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for LYVE-1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human LYVE-1 amount of sample captured in plate.</p> <p><b>Background:</b> 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 re-uptake and degradation in lymph nodes.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 115502898                                                                                                                                                                                                                                                                                     |
| NCBI GeneID                      | 10894                                                                                                                                                                                                                                                                                         |
| UniProt Accession #              | Q9Y5Y7; Q8TC18; Q9UNF4                                                                                                                                                                                                                                                                        |
| Molecular Weight                 | 35,213 Da                                                                                                                                                                                                                                                                                     |
| NCBI Official Full Name          | Lymphatic vessel endothelial hyaluronic acid receptor 1                                                                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | lymphatic vessel endothelial hyaluronan receptor 1                                                                                                                                                                                                                                            |
| NCBI Official Symbol             | LYVE1                                                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | HAR; XLKD1; LYVE-1; CRSBP-1                                                                                                                                                                                                                                                                   |
| NCBI Protein Information         | lymphatic vessel endothelial hyaluronic acid receptor 1; extracellular link domain containing 1; extracellular link domain-containing 1; extracellular link domain-containing protein 1; cell surface retention sequence binding protein-1; cell surface retention sequence-binding protein 1 |
| UniProt Protein Name             | Lymphatic vessel endothelial hyaluronic acid receptor 1                                                                                                                                                                                                                                       |
| UniProt Gene Name                | LYVE1                                                                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | CRSBP1; HAR; XLKD1; LYVE-1; CRSBP-1                                                                                                                                                                                                                                                           |
| UniProt Entry Name               | LYVE1_HUMAN                                                                                                                                                                                                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.