

ARG81790 Human LYVE1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81790-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81790-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG81790-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81790-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81790-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81790-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81790-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81790-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81790-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81790-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81790-011 | Plate sealer | 4 strips | Room temperature |

Summary

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|---------------------|---|
| Product Description | ARG81790 Human LYVE1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human LYVE1 in cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | LYVE1 |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 15.6 pg/ml |
| Sample Type | Cell culture supernatants. |
| Standard Range | 31.2 - 2000 pg/ml |
| Sample Volume | 100 µl |

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|-----------------|---|
| Precision | Intra-Assay CV: 5.9%; Inter-Assay CV: 7.2% |
| Alternate Names | Lymphatic vessel endothelial hyaluronic acid receptor 1; Hyaluronic acid receptor; LYVE-1; XLKD1; HAR; Extracellular link domain-containing protein 1; CRSBP-1; Cell surface retention sequence-binding protein 1 |

Application Instructions

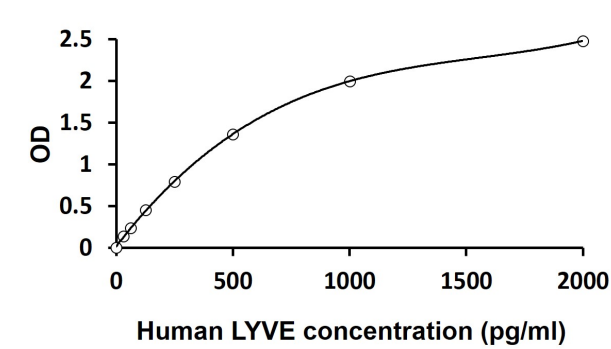
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
|------------|-----------|

Properties

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|---------------------|--|
| Form | 96 well |
| Storage instruction | Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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|----------------|--|
| Gene Symbol | LYVE1 |
| Gene Full Name | lymphatic vessel endothelial hyaluronan receptor 1 |
| Background | 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. [provided by RefSeq, Jul 2008] |
| Function | Ligand-specific transporter trafficking between intracellular organelles (TGN) and the plasma membrane. Plays a role in autocrine regulation of cell growth mediated by growth regulators containing cell surface retention sequence binding (CRS). 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. [UniProt] |
| Highlight | Related products: LYVE1 antibodies ; LYVE1 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |
| PTM | O-glycosylated. [UniProt] |



ARG81790 Human LYVE1 ELISA Kit standard curve image

ARG81790 Human LYVE1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.