

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

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

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

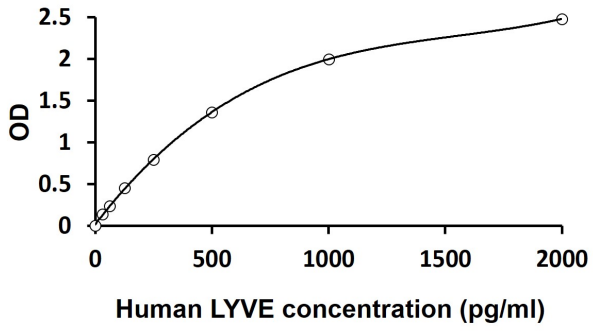
Assay Time	~ 5 hours
------------	-----------

Properties

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

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.