

Mouse LOX1 ELISA Kit | LOX1 elisa kit

LOX1 Mouse ELISA Kit

CATALOG # AAA58872	REACTIVITY Mouse	APPLICATIONS ELISA
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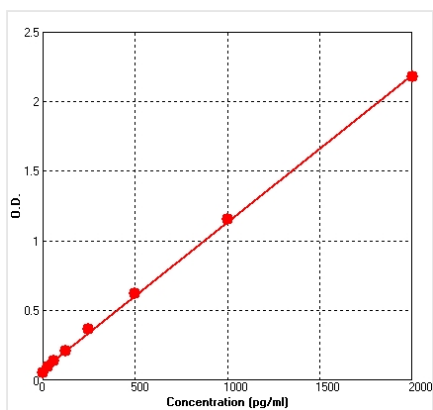
PRODUCT SYNONYMS

LOX1; LOX1 Mouse ELISA Kit; Mouse LOX1; LOX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Detection Range	31.2 pg/ml-2000 pg/ml
Sensitivity	< 1pg/ml
Applicable Applications for LOX1 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LOX1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-LOX1 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-LOX1 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 LOX1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of LOX1 can be calculated. Background: Oxidized low-density lipoprotein receptor 1 (Ox-LDL receptor 1) also known as lectin-type oxidized LDL receptor 1 (LOX-1) is a 270-amino acid protein that in humans is encoded by the OLR1 gene, which spans approximately 15 kb and contains 6 exons. LOX1 is expressed in vascular-rich organs but not in lymphocytes, and it belongs to the C-type lectin superfamily. This protein binds, internalizes and degrades oxidized low-density lipoprotein. It may be involved in the regulation of Fas-induced apoptosis, and it may also play a role as a scavenger receptor. Mutations of the OLR1 gene have been associated with atherosclerosis, risk of myocardial infarction, and may modify the risk of Alzheimer's disease.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4468344
NCBI GeneID	4973
UniProt Accession #	P78380; Q2PP00; Q7Z484; A8K7V9; B4DI48; G3V114
Molecular Weight	30,959 Da
NCBI Official Full Name	LOX1
NCBI Official Synonym Full Names	oxidized low density lipoprotein (lectin-like) receptor 1
NCBI Official Symbol	OLR1
NCBI Official Synonym Symbols	LOX1; LOXIN; SLOX1; CLEC8A; SCARE1
NCBI Protein Information	oxidized low-density lipoprotein receptor 1; hLOX-1; ox LDL receptor 1; lectin-type oxidized LDL receptor 1; scavenger receptor class E, member 1; C-type lectin domain family 8 member A; oxidized low-density lipoprotein receptor 1, soluble form
UniProt Protein Name	Oxidized low-density lipoprotein receptor 1
UniProt Gene Name	OLR1
UniProt Synonym Gene Names	CLEC8A; LOX1; Ox-LDL receptor 1; LOX-1; Lectin-like oxLDL receptor 1; hLOX-1
UniProt Entry Name	OLR1_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.