

Mouse LOX-1/OLR1 ELISA Kit | OLR1 elisa kit

Mouse LOX-1/OLR1 PicoKine ELISA Kit

CATALOG #
AAA45300

REACTIVITY
Mouse

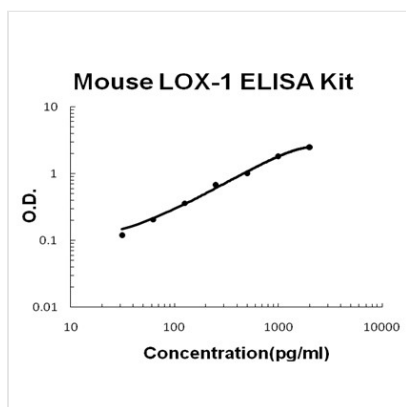
PRODUCT SYNONYMS

LOX-1/OLR1; Mouse LOX-1/OLR1 PicoKine ELISA Kit; Oxidized low-density lipoprotein receptor 1; oxidized low density lipoprotein (lectin-like) receptor 1; C-type lectin domain family 8 member A; CLEC8A; hLOX-1; Lectin-like oxidized LDL receptor 1; Lectin-like oxLDL receptor 1; Lectin-type oxidized LDL receptor 1; LOX-1; LOXIN; Olr1; OLR1_HUMAN; Ox-LDL receptor 1; Oxidized low density lipoprotein (lectin like) receptor 1; Oxidized low density lipoprotein receptor 1 soluble form; SCARE1; Scavenger receptor class E member 1; SLOX1; OLR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse LOX-1
Sequence Length	363
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 1pg/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)

Mouse LOX-1/OLR1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for OLR1 elisa kit	Principle of the assay: mouse LOX-1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for LOX-1 has been precoated onto 96-well plates. Standards(NSO, R60-I363) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for LOX-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 mouse LOX-1 amount of sample captured in plate. Background: Oxidized low-density lipoprotein receptor 1 (Ox-LDL receptor 1) also known as lectin-type oxidized LDL receptor 1 (LOX-1) is a protein that in humans is encoded by the OLR1 gene. It belongs to the C-type lectin superfamily. The LOX1 gene is mapped to to 12p13-p12. The protein has got the amino acids of 363. It can be detected in various tissues, highly expressed in placenta. This protein may be involved in the regulation of Fas-induced apoptosis and play a role as a scavenger receptor. The standards of this kit are recombinant mouse LOX-1 (R60-I363), with molecular weight of 36.3kDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	341941209
NCBI GeneID	108078
UniProt Accession #	Q9EQ09; Q3U3M1
Molecular Weight	41,643 Da
NCBI Official Full Name	Oxidized low-density lipoprotein receptor 1
NCBI Official Synonym Full Names	oxidized low density lipoprotein (lectin-like) receptor 1
NCBI Official Symbol	Olr1
NCBI Official Synonym Symbols	LOX-1; SR-El; Scare1
NCBI Protein Information	oxidized low-density lipoprotein receptor 1; ox-LDL receptor 1; lectin-like oxLDL receptor 1; lectin-like oxidized LDL receptor 1; lectin-type oxidized LDL receptor 1; oxidised low density lipoprotein (lectin-like) receptor 1
UniProt Protein Name	Oxidized low-density lipoprotein receptor 1
UniProt Gene Name	Olr1
UniProt Synonym Gene Names	Lox1; Ox-LDL receptor 1; LOX-1; Lectin-like oxLDL receptor 1
UniProt Entry Name	OLR1_MOUSE

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.

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