

Rat Lectin Like Oxidized Low Density Lipoprotein Receptor 1 (LOX1) ELISA Kit | LOX1 elisa kit

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CATALOG # AAA139085	REACTIVITY Rat
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PRODUCT SYNONYMS

Lectin Like Oxidized Low Density Lipoprotein Receptor 1 (LOX1); Rat Lectin Like Oxidized Low Density Lipoprotein Receptor 1 (LOX1) ELISA Kit; OLR1; CLEC8A; SCARE1; Oxidized low-density lipoprotein receptor 1; C-type lectin domain family 8 member A; Lectin-like oxidized LDL receptor 1; Lectin-type oxidized LDL receptor 1; LOX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of LOX1. No significant cross-reactivity or interference between LOX1 and analogues was observed.
Sequence Length	189
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	62.5-4,000pg/mL
Sensitivity	22.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LOX1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LOX1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LOX1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to LOX1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to LOX1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain LOX1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of LOX1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LOX1 elisa kit	Signal transduction; Metabolic pathway; Apoptosis; Endocrinology; Cardiovascular biology; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	4468344
NCBI GeneID	4973
UniProt Accession #	P78380; Q2PP00; Q7Z484; A8K7V9; B4DI48; G3V114
Molecular Weight	21,425 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
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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/lectin-like-oxidized-low-density-lipoprotein-receptor-1-lox1/139085>