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

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CATALOG #	REACTIVITY
AAA67810	**Bovine**

PRODUCT SYNONYMS

Lectin Like Oxidized Low Density Lipoprotein Receptor 1 (LOX1); Bovine 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	Bovine
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	270
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	13.2pg/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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LOX1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LOX1 in bovine serum, plasma, and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LOX1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27806503
NCBI GeneID	281368
NCBI Accession #	NP_776557.1
NCBI GenBank Nucleotide #	NM_174132.2
UniProt Accession #	P79391
Molecular Weight	30,892 Da
NCBI Official Full Name	oxidized low-density lipoprotein receptor 1
NCBI Official Symbol	OLR1
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	LOX1; Ox-LDL receptor 1; LOX-1; Lectin-like oxLDL receptor 1; bLOX-1

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/bovine-ovine-elisa-kits/lectin-like-oxidized-low-density-lipoprotein-receptor-1-lox1/67810