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

Cattle Lectin Like Oxidized Low Density Lipoprotein Receptor 1 (LOX1) ELISA Kit

CATALOG #	REACTIVITY
AAA185162	**Bovine**

PRODUCT SYNONYMS

Lectin Like Oxidized Low Density Lipoprotein Receptor 1 (LOX1); Cattle 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 Lectin Like Oxidized Low Density Lipoprotein Receptor 1 (LOX1). No significant cross-reactivity or interference between Lectin Like Oxidized Low Density Lipoprotein Receptor 1 (LOX1) and analogues was observed.
Sequence Length	189
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	31.25-2000pg/mL
Sensitivity	< 13.2pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Lectin Like Oxidized Low Density Lipoprotein Receptor 1 (LOX1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Lectin Like Oxidized Low Density Lipoprotein Receptor 1 (LOX1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Lectin Like Oxidized Low Density Lipoprotein Receptor 1 (LOX1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Lectin Like Oxidized Low Density Lipoprotein Receptor 1 (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 Lectin Like Oxidized Low Density Lipoprotein Receptor 1 (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 Lectin Like Oxidized Low Density Lipoprotein Receptor 1 (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 #	4468344
NCBI GeneID	4973
UniProt Accession #	P78380; Q2PP00; Q7Z484; A8K7V9; B4DI48; G3V1I4
Molecular Weight	21,425 Da
NCBI Official Full Name	LOX1
NCBI Official Synonym Full Names	oxidized low density lipoprotein 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

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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