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## Datasheet for ABIN6720202

### OLR1 ELISA Kit

#### Overview

Quantity:	1 kit
Target:	OLR1
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

#### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 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, Oxidized low-density lipoprotein receptor 1, SCARE1, Scavenger receptor class E member 1, SLOX1</p> <p>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.</p>

## Product Details

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 36.3 kDa.

Gene Name: OLR1

Production: Natural and recombinant mouse LOX-1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: R60-I363

## Target Details

Target: OLR1

Alternative Name: LOX-1 - OLR1 ([OLR1 Products](#))

Gene ID: 108078

NCBI Accession: [NP\\_619589](#)

UniProt: [Q9EQ09](#)

## Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL mouse LOX-1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse LOX-1 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 31.2pg/mL-2000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

## Handling

Storage: RT,4 °C,-20 °C

## Handling

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Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.