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Datasheet for ABIN6720175  
**OLR1 ELISA Kit**

### Overview

Quantity:	1 kit
Target:	OLR1
Reactivity:	Human
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: LOX-1(lectin-type oxidized LDL receptor 1) also known as OLR1, is a protein that in humans is encoded by the OLR1 gene. LOX-1 is a receptor protein which belongs to the C-type lectin superfamily. The LOX1 gene is mapped to 12p13-p12 by fluorescence in situ</p>

## Product Details

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hybridization. LOX1 is expressed on the plasma membrane of differentiated macrophages, but not on monocytes. The LOX1 protein acts as a macrophage scavenger receptor. LOX1 expression was detected in all choroidal neovascular membranes, regardless of structure, whereas there was no evidence of LOX1 within the posterior segments of normal eyes. LOX1 plays an active role in the pathogenesis of choroidal neovascularization, especially in ARMD.

Gene Name: OLR1

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

Standard: Expression system for standard: NSO, Immunogen sequence: S61-Q273

## Target Details

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Target: OLR1

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

Gene ID: 4973

NCBI Accession: [NP\\_001166103](#)

UniProt: [P78380](#)

## Application Details

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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 human LOX-1 standard solutions into the pre-coated 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 human cell culture supernates, serum and plasma(heparin, EDTA) to each empty well. It is recommended that each human LOX-1 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

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

Other Performance Data: DOE: 2-8° C - 01/25/19 -20° C - 07/26/19

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

## Handling

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Storage: RT, 4 °C, -20 °C

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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.