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Datasheet for KOA0492

Human LOX-1 - OLR1 ELISA Kit

Overview

Description:	Human LOX-1/OLR1 AccuSignal ELISA Kit - KOA0492
Item No.:	KOA0492
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

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 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.
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
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	OLR1
Reactivity:	Human

Immunogen:	Expression system for standard: NSO; Immunogen sequence: S61-Q273
Purity/Specificity:	Natural and recombinant human LOX-1. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P78380 • NCBI - NP_001166103.1 • GeneID - 4973 • KOA0492 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	31.2pg/ml-2000pg/ml
Other:	DOE: 2-8° C - 12/08/2021 -20° C - 06/08/2022

Formulation

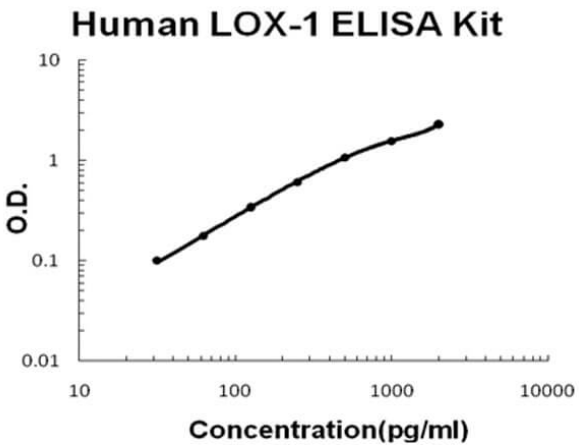
Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.

Expiration: See kit insert for complete instructions.

Images



ELISA
Human LOX-1/OLR1 AccuSignal ELISA Kit standard curve.
Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.

Disclaimer

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