Recombinant OLR1/LOX1 Monoclonal Antibody

catalog number: AN301759L

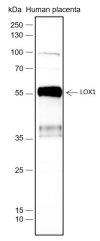
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;
Immunogen	Recombinant human OLR1/LOX1 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A467
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000-1:5000
IF	1:50
FCM	1:50-1:100

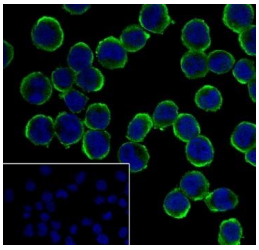
Data



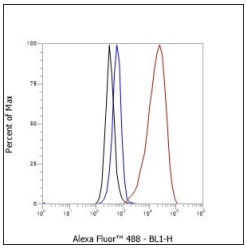
Western Blot with OLR1/LOX1 Monoclonal Antibody at dilution of 1:5000. Lane 1: Human placenta

Observed-MW:55 kDa

Calculated-MW:31 kDa



Immunofluorescent analysis of (100% Ice-cold methanol) fixed TF-1 cells using anti-OLR1/LOX1 Monoclonal Antibody at dilution of 1:50.



Flow cytometric analysis of human OLR1/LOX1 expression on HUVEC cells. Cells were stained with purified anti-Human OLR1/LOX1, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Toll-free: 1-888-852-8623
Web: www.elabscience.com
Tel: 1-832-243-6086
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Fax: 1-832-243-6017

This protein is a low density lipoprotein receptor that belongs to the C-type lectin superfamily. It is regulated through the cyclic AMP signaling pathway. The encoded protein binds, internalizes and degrades oxidized low-density lipoprotein. This protein may be involved in the regulation of Fas-induced apoptosis. This protein may play a role as a scavenger receptor. Mutations of this gene have been associated with atherosclerosis, risk of myocardial infarction, and may modify the risk of Alzheimer's disease. Alternate splicing results in multiple transcript variants. Diseases associated with OLR1 include Myocardial Infarction and Chlamydia Pneumonia. Among its related pathways are Innate Immune System and Response to elevated platelet cytosolic Ca2+. Gene Ontology (GO) annotations related to this gene include carbohydrate binding and low-density lipoprotein particle receptor activity.

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