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Product Information

Recombinant Anti-Human olr1 Antibody Fab Fragment

Cat. No.: **MOM-18597-F(E)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment is directed against Human OLR1, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Receptor that mediates the recognition, internalization and degradation of oxidatively modified low density lipoprotein (oxLDL) by vascular endothelial cells. OxLDL is a marker of atherosclerosis that induces vascular endothelial cell activation and dysfunction, resulting in pro-inflammatory responses, pro-oxidative conditions and apoptosis. Its association with oxLDL induces the activation of NF-kappa-B through an increased production of intracellular reactive oxygen and a variety of pro-atherogenic cellular responses including a reduction of nitric oxide (NO) release, monocyte adhesion and apoptosis.

Specific Activity

Tested positive against native antigen.

Target

OLR1

Immunogen

The details of the immunogen for this antibody are not available.

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

CHO

Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Storage

Store at -20°C. Avoid multiple freeze/thaw cycles.

ANTIGEN GENE INFOMATION

Gene Name

OLR1 oxidized low density lipoprotein (lectin-like) receptor 1 [Homo sapiens]

Official Symbol

OLR1

Synonyms

OLR1; oxidized low density lipoprotein (lectin-like) receptor 1; oxidised low density lipoprotein (lectin like) receptor 1; oxidized low-density lipoprotein receptor 1; CLEC8A; LOX 1; SCARE1; hLOX-1; ox LDL receptor 1; lectin-type oxidized LDL receptor 1; scavenger receptor class E, member 1; C-type lectin domain family 8 member A; oxidized low-density lipoprotein receptor 1, soluble form; LOX1; LOXIN; SLOX1;

Gene ID

4973

mRNA Refseq

NM_001172632

Protein Refseq

NP_001166103

MIM

602601

UniProt ID

P78380

Chromosome Location

12p13.1-p12.3

Pathway

Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem; Phagosome, organism-specific biosystem; Phagosome, conserved biosystem;

Function

binding; low-density lipoprotein receptor activity; receptor activity; sugar binding;

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