Datasheet for ABIN7505994

anti-OLR1 antibody (PE)

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1 Image

Overview

Quantity:	100 tests
Target:	OLR1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This OLR1 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu LOX1 PE
Immunogen:	fusion protein of human LOX1 ectodomain and of human IgG Fc
Clone:	15C4
Isotype:	IgG2a kappa
Specificity:	The mouse monoclonal antibody 15C4 recognizes an extracellular epitope of LOX1, a C-type lectin transmembrane protein.
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	OLR1

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Target Details

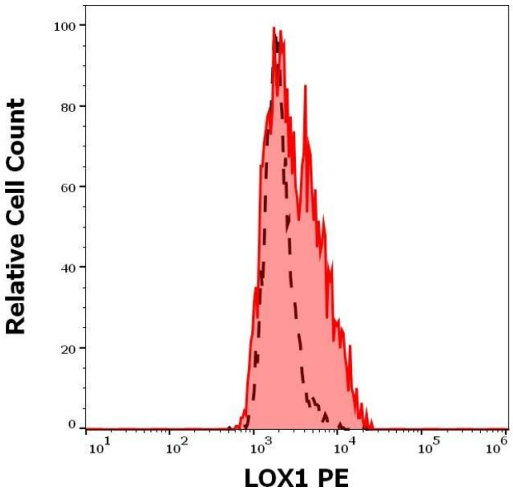
Alternative Name:	LOX1 (OLR1 Products)
Background:	Oxidized low density lipoprotein receptor 1,LOX1, a 31 kDa type II transmembrane protein, is a C-type lectin, functioning as a scavenger receptor for e.g. oxidized low density lipoprotein, apoptotic heat shock proteins, or CRP. It is expressed by macrophages, fibroblasts, platelets, endothelial cells, and smooth muscle cells, and its defects can lead to atherosclerosis. Its expression is enhanced under inflammatory conditions. Multiple splicing variants have been identified.,OLR1, SLOX1, SCARE1, CLEC8A
Gene ID:	4973
UniProt:	P78380

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Restrictions:	For Research Use only

Handling

Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Separation of CD11c positive cells stained using anti-human LOX1 (15C4) PE antibody (10 µL reagent per million cells in 100 µL of cell suspension, red-filled) from CD11c positive cells cells stained using mouse IgG2a isotype control (MOPC-173) PE antibody (concentration in sample 5 µg/mL, same as LOX1 PE concentration, black-dashed) in flow cytometry analysis (surface staining) of human GM-CSF + IL-4 stimulated peripheral whole blood.

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