PE Anti-Human LOX-1 Antibody[15C4]

Catalog Number: AN00628D

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

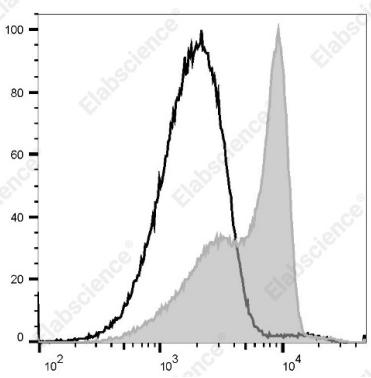
Description

Reactivity	Human
Host	Mouse
Isotype	Mouse IgG2a, κ
Clone No.	15C4
Isotype Control	PE Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802D]
Conjugation	PE
Conjugation Information	PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications — Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Human peripheral blood mononuclear cells stimulated with GM-CSF for 72 h were stained with APC PE Anti-Human LOX-1 Antibody[15C4] (filled gray histogram) or PE Mouse IgG2a, κ isotype control (empty black histogram). Analysis was performed on cells within the lymphocyte gate.

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	OLR1;LOX1;LOXIN;SLOX1;CLEC8A;SCARE1
Uniprot ID	P78380

Gene ID	4973
Background	Lectin-like oxidized LDL receptor 1 (LOX-1) also known as CLEC8A is a 31 kD single pass type II transmembrane protein and member of the C-type lectin superfamily. LOX-1 is a scavenger receptor and is involved in endocytosis, phagocytosis and cytokine production. CLEC8A is expressed by endothelial cells, smooth muscle cells, platelets, fibroblasts, macrophages, and is upregulated by inflammatory and oxidative stimuli. LOX-1 recognizes numerous ligands including lipoproteins, apoptotic cells heat shock proteins, C-reactive protein and oxidized LDL. LOX-1 is implicated in atherosclerosis and vascular inflammation.

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