

30-2874: Anti-Human LOX1 PE Mab (Clone: 15C4)

Clonality :	Monoclonal
Clone Name :	15C4
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Gene :	OLR1
Gene ID :	4973
Uniprot ID :	P78380
Alternative Name :	OLR1, SLOX1, SCARE1, CLEC8A, oxidized low density lipoprotein receptor 1
Isotype :	Mouse IgG2a kappa
Immunogen Information :	fusion protein of human LOX1 ectodomain and of human IgG Fc

Description

Specificity: The mouse monoclonal antibody 15C4 recognizes an extracellular epitope of LOX1, a C-type lectin transmembrane protein.

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.

Product Info

Amount :	100 tests
Purification :	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Storage buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

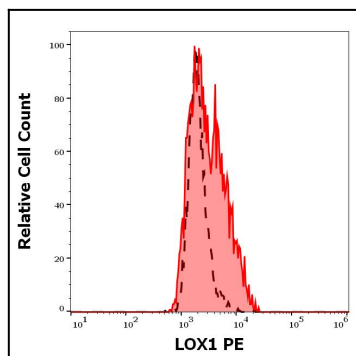


Figure 1: Separation of CD11c positive cells stained using anti-human LOX1 (15C4) PE antibody (10 μ g/ml reagent per million cells in 100 μ l of cell suspension, red-filled) from CD11c positive cells stained using mouse IgG2a isotype control (MOPC-173) PE antibody (concentration in sample 5 μ g/ml, same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