

## 30-2732: Anti-Hu LOX1 Purified

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	15C4
<b>Application :</b>	ICC
<b>Reactivity :</b>	Human
<b>Gene :</b>	OLR1
<b>Gene ID :</b>	4973
<b>Uniprot ID :</b>	P78380
<b>Format :</b>	Purified
<b>Alternative Name :</b>	oxidized low density lipoprotein receptor 1 OLR1, SLOX1, SCARE1, CLEC8A
<b>Immunogen Information :</b>	fusion protein of human LOX1 ectodomain and of human IgG Fc

### Description

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.

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

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography.
<b>Content :</b>	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

Flow cytometry: Recommended dilution: 1-5  $\mu$ g/ml

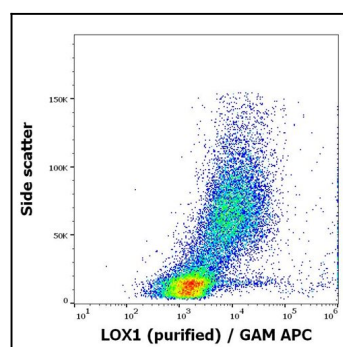


Figure 1: Flow cytometry surface staining pattern of human dendritic cells in flow cytometry analysis (surface staining) stained using anti-human LOX1 (15C4) purified antibody

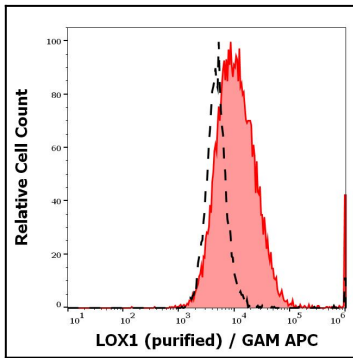


Figure 2: Separation of human dendritic cells (red-filled) from human lymphocytes (black-dashed) in flow cytometry analysis (surface staining) stained using anti-human LOX1 (15C4) purified antibody (GAM APC).