

For Research Use Only

Anti-Human OLR1/LOX1 Rabbit Recombinant Antibody

Catalog Number: 98524-3-RR



Basic Information

Catalog Number:

98524-3-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2911

GenBank Accession Number:

NM_002543.3

GeneID (NCBI):

4973

UNIPROT ID:

P78380-1

Full Name:

oxidized low density lipoprotein
(lectin-like) receptor 1

Calculated MW:

31 kDa

Purification Method:

Protein A purification

CloneNo.:

250525B12

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl
suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : GM-CSF treated human PBMCs,

Background Information

OLR1/LOX-1 acts as a receptor, in the form of homodimer, that mediates the recognition, internalization, and degradation of oxidatively modified low density lipoprotein (oxLDL) (PMID: 9052782, 15695803). OLR1 is predominantly expressed in endothelial cells and vascular-rich organs such as the placenta, lung, liver, and brain (PMID: 9828121). OLR1 is a protein containing 273 amino acids with a calculated molecular mass of 31 kDa but an apparent molecular mass of 50 kDa, which may result from the glycosylation of four potential N-linked glycosylation sites located at the C-terminal domain (PMID: 9052782).

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

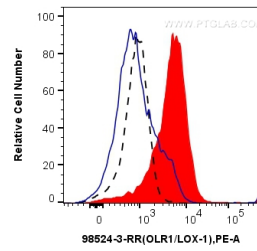
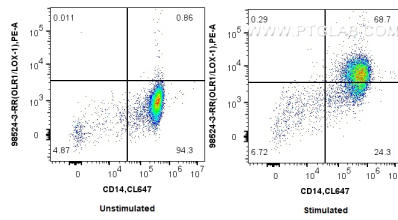
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Selected Validation Data



1x10⁶ untreated or GM-CSF-treated human PBMCs were surface stained with 0.25 ug Anti-Human OLR1/LOX1 Rabbit RecAb (98524-3-RR, Clone: 250525B12) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Human CD14. Cells were not fixed. Monocytes were gated.

1x10⁶ GM-CSF-treated human PBMCs were surface stained with 0.25 ug Anti-Human OLR1/LOX1 Rabbit RecAb (98524-3-RR, Clone: 250525B12) (red) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1x10⁶ untreated human PBMCs were surface stained with 0.25 ug Anti-Human OLR1/LOX1 Rabbit RecAb (98524-3-RR, Clone: 250525B12) (black, dashed) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells