



# Anti-OLR1 monoclonal antibody, clone 442320 (DCABY-3981)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Lectin-like Oxidized Low-density Lipoprotein Receptor 1 (LOX-1), also known as Oxidized Low-density Lipoprotein Receptor 1 (OLR1), is a type II transmembrane receptor belonging to the class E scavenger receptor (SR-E) subfamily of the C-type lectin family. It binds and supports the internalization of multiple structurally unrelated macromolecules. It exists on the cell surface as covalent homodimers, which can further associate into non-covalently-linked oligomers. Cell surface LOX-1 can also be cleaved to release the soluble LOX-1 extracellular domain.
<b>Specificity</b>	Detects human LOX-1 in ELISAs. In ELISAs, this antibody does not cross-react with recombinant mouse LOX-1.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human LOX-1. Ser61-Gln273 Accession Number P78380
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	442320
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA Capture (Matched Pair), Blockade of Receptor-ligand Interaction
<b>Format</b>	Liquid
<b>Size</b>	500 µg

<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">OLR1 oxidized low density lipoprotein (lectin-like) receptor 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	OLR1
<b>Synonyms</b>	OLR1; oxidized low density lipoprotein (lectin-like) receptor 1; LOX1; LOXIN; SLOX1; CLEC8A; SCARE1; oxidized low-density lipoprotein receptor 1; hLOX-1; ox LDL receptor 1; lectin-type oxidized LDL receptor 1; scavenger receptor class E, member 1; C-type
<b>Entrez Gene ID</b>	<a href="#">4973</a>
<b>Protein Refseq</b>	<a href="#">NP_001166103</a>
<b>UniProt ID</b>	<a href="#">P78380</a>
<b>Chromosome Location</b>	12p13.2-p12.3
<b>Pathway</b>	Cell surface interactions at the vascular wall; Hemostasis; PPAR signaling pathway; Phagosome;
<b>Function</b>	carbohydrate binding; low-density lipoprotein receptor activity; protein binding;