



20150216ML

Anti-Human LOX-1 (#1L36)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M557
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of LOX-1 (also called scavenger receptor class E member 1 (SR-E1)).

Target Background

Synonyms (Target):	Olr1; LOX1; LOXIN; SLOX1; CLEC8A; SCARE1
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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.

Database References Target

Protein RefSeq:	NP_002534.1
Uniprot ID:	P78380
mRNA RefSeq:	NM_002543.3

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#1L36)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	recombinant human LOX-1
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human LOX-1.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB, N

Recommended usage:

Western Blot: 1:500 - 1:1000

Neutralization of LOX-1 bioactivity: Yes

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!