



20150116ML

Anti-Mouse LOX-1 (#12G69)

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

| | |
|------------------|----------------------------|
| Cat.-no.: | 103-M431 |
| 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 rat) immunized with mouse recombinant protein of LOX-1 (also called scavenger receptor class E member 1 (SR-E1)).

Target Background

| | |
|---------------------------|----------------------------|
| Synonyms (Target): | Olr1; LOX-1; SR-E1; Scare1 |
|---------------------------|----------------------------|

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_619589.2 |
| Uniprot ID: | Q9EQ09 |
| mRNA RefSeq: | NM_138648.2 |

Product Specifications

| | |
|------------------------------|----------------------------|
| Host | Rat |
| Reactivity against | Mouse |
| Clonality | Monoclonal Antibody |
| Clone | (#12G69) |
| Isotype | IgG2 |
| Purification | Protein A/G chromatography |
| Antigen | recombinant mouse 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 detects specifically mouse LOX-1 with WB

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

WB: 1:100-500

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