**Description:** MOUSE ANTI HUMAN LOX-1 (SOLUBLE)

**Specificity:** LOX-1 (SOLUBLE)

**Other names:** OLR1

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** LOX19-22

**Isotype:** IgG1

**Quantity:** 0.2 mg

### Applications

<table>
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<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**Target Species**

Human

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide (NaN₃)

**Approx. Protein Concentrations**

IgG concentration 1.0mg/ml

**Immunogen**

Recombinant soluble LOX-1 expressed in *E.coli*.
Fusion Partners

Spleen cells from immunised Balb/c were fused with cells of the Sp2/0 myeloma cell line.

Specificity

**Mouse anti Human LOX-1 (Soluble) antibody, clone LOX19-22** recognizes the lectin-like oxidised low-density lipoprotein (LDL) receptor (LOX-1), a 31kDa protein of the C-type lectin superfamily. This receptor mediates the recognition, internalisation and degradation of oxidised LDL. It is a Type II membrane protein with a typical C-type lectin structure at the extracellular C-terminus which recognizes the ligand. LOX-1 activation by oxidised LDL causes endothelial changes such as decreased nitric oxide release and an increased expression of adhesion molecules. LOX-1 also binds activated platelets and apoptotic cells. The expression of LOX-1 is induced by proatherogenic conditions such as hyperlipidemia, hypertension and diabetes and as such appears to contribute to the pathogenesis of vascular disorders, particularly atherosclerosis. It can be cleaved by an unknown protease at the extracellular juxtamembrane region to release the soluble form (aa58-273) of LOX-1, recognized by Mouse anti Human LOX-1 (Soluble) antibody, clone LOX19-22.

Storage

Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

18 months from date of despatch.

Health And Safety Information


Regulatory

For research purposes only

Related Products

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG IgA IgM (STAR87...) *Alkaline Phosphatase, HRP*
- Goat Anti Mouse IgG (STAR77...) *HRP*
- Rabbit Anti Mouse IgG (STAR12...) *RPE*
- Rabbit Anti Mouse IgG (STAR8...) *DyLight®800*
- Rabbit Anti Mouse IgG (STAR13...) *HRP*
- Goat Anti Mouse IgG (STAR76...) *RPE*
- Goat Anti Mouse IgG (STAR70...) *FITC*
- Goat Anti Mouse IgG (Fc) (STAR120...) *FITC, HRP*
- Rabbit Anti Mouse IgG (STAR9...) *FITC*
- Goat Anti Mouse IgG (H/L) (STAR117...) *Alkaline Phosphatase, DyLight®488, DyLight®680, DyLight®800, FITC, HRP*
Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South America
Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide
Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe
Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
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