

Datasheet: MCA2765

BATCH NUMBER 171213

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

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			
Functional Assays			▪	

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	0.09% Sodium Azide (NaN ₃)

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0mg/ml

Immunogen Recombinant soluble LOX-1 expressed in *E. coli*.

External Database Links**UniProt:**
[P78380](#) [Related reagents](#)**Entrez Gene:**
[4973](#) OLR1 [Related reagents](#)

Synonyms CLEC8A, LOX1

RRID AB_1102730

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 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA2765>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

North & South Tel: +1 800 265 7376

America 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

Email: antibody_sales_de@bio-rad.com

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