Mouse OxLDL Antibody Pair Set

Catalog No. E-KAB-0682 **Applications** ELISA

Synonyms CLEC8A;CLEC8ASLOX1;C-type lectin domain family 8 member A;hLOX-1;Lectin-like oxidized LDL receptor 1;Lectin-like oxLDL receptor 1;Lectin-type oxidized LDL receptor 1;LOX1;LOX-1;LOX1ox LDL receptor 1;LOXIN;OLR1

Kit components & Storage

Title	Specifications	Storage
Mouse OxLDL Capture Antibody	1 vial, 100 μ g	Store at -20℃. Avoid freeze / thaw cycles.
Mouse OxLDL Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

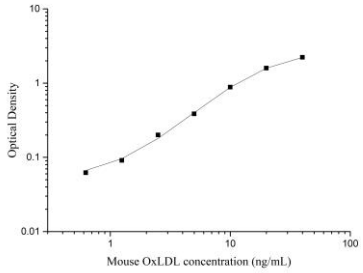
Product Information

Items		Characteristic (E-KAB-0682)	
		Mouse OxLDL Capture Antibody	Mouse OxLDL Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse OxLDL protein	Recombinant Mouse OxLDL protein
	Swissprot	/	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Affinity purification	Affinity purification
	Specificity	Detects Mouse OxLDL in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com

Applications

Mouse OxLDL Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4ug/mL	Mouse OxLDL Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse OxLDL Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

Receptor that mediates the recognition,internalization and degradation of oxidatively modified low density lipoprotein (oxLDL) by vascular endothelial cells. OxLDL is a marker of atherosclerosis that induces vascular endothelial cell activation and dysfunction,resulting in pro-inflammatory responses,pro-oxidative conditions and apoptosis. Its association with oxLDL induces the activation of NF-kappa-B through an increased production of intracellular reactive oxygen and a variety of pro-atherogenic cellular responses including a reduction of nitric oxide (NO) release,monocyte adhesion and apoptosis. In addition to binding oxLDL,it acts as a receptor for the HSP70 protein involved in antigen cross-presentation to naive T-cells in dendritic cells,thereby participating in cell-mediated antigen cross-presentation. Also involved in inflammatory process,by acting as a leukocyte-adhesion molecule at the vascular interface in endotoxin-induced inflammation. Also acts as a receptor for advanced glycation end (AGE) products,activated platelets,monocytes,apoptotic cells and both Gram-negative and Gram-positive bacteria.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com