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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Lox-1 [scFv] Ab03429-10.0-BT

This full-length reformatted human antibody was made using the variable domain sequences of the original Human scFv format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, Kappa

Clone Number: scFv

Alternative Name(s) of Target: LOX1; hLOX-1; OLR1; CLEC8A; Oxidized low-density lipoprotein receptor 1; Ox-LDL receptor 1; C-type lectin domain family 8 member A; Lectin-like oxidized LDL receptor 1; Lectin-like oxLDL receptor 1; Lectin-type oxidized LDL receptor 1; Oxidized low-density lipoprotein receptor 1 soluble form

UniProt Accession Number of Target Protein: P78380

Published Application(s): ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was isolated from a human scFv phage display library by panning against human Lox-1.

Specificity: This antibody binds oxidized low density lipoprotein (ox-LDL), which is a 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.

Application Notes: This antibody can be used for the detection of Lox-1, which is a marker for early diagnosis of atherosclerosis. The binding characterization of this antibody was done using ELISA. The binding affinity of this antibody for human Lox-1 was determined using Bio-layer Interferometry (BLI) and it was reported that the binding affinity of this scFv antibody was $K_d = 6.69$ nM (CN107216390).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification:

Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.