



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Lox-1 [scFv] Ab03429-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

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, Fc Silent™, 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.