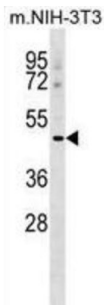


## Macrophage Scavenger Receptor 1 (MSR1) Antibody

Catalogue No.: abx029210



This gene encodes the class A macrophage scavenger receptors, which include three different types (1, 2, 3) generated by alternative splicing of this gene. These receptors or isoforms are macrophage-specific trimeric integral membrane glycoproteins and have been implicated in many macrophage-associated physiological and pathological processes including atherosclerosis, Alzheimer's disease, and host defense. The isoforms type 1 and type 2 are functional receptors and are able to mediate the endocytosis of modified low density lipoproteins (LDLs). The isoform type 3 does not internalize modified LDL (acetyl-LDL) despite having the domain shown to mediate this function in the types 1 and 2 isoforms. It has an altered intracellular processing and is trapped within the endoplasmic reticulum, making it unable to perform endocytosis. The isoform type 3 can inhibit the function of isoforms type 1 and type 2 when co-expressed, indicating a dominant negative effect and suggesting a mechanism for regulation of scavenger receptor activity in macrophages.

**Target:** Macrophage Scavenger Receptor 1 (MSR1)

**Clonality:** Polyclonal

**Reactivity:** Human, Mouse

**Tested Applications:** ELISA, WB

**Host:** Rabbit

**Recommended dilutions:** WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** KLH-conjugated synthetic peptide between 336-364 amino acids from the C-terminal region of human MSR1.

**Isotype:** IgG

**Form:** Liquid

**Purification:** Purified through a protein A column, followed by peptide affinity purification.

**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

# Datasheet

Version: 3.0.0  
Revision date: 23 Feb 2025



**UniProt Primary AC:** P21757 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** MSR1

**KEGG:** hsa:4481

**String:** [9606.ENSP00000262101](#)

**Molecular Weight:** Calculated MW: 49.8 kDa

**Buffer:** PBS containing 0.09% sodium azide.

**Specificity:** Predicted to react with Cow MSR1.

**Note:** This product is for research use only.

For Reference Only