## MSR1 Polyclonal Antibody

Cat \#: G-AB-08599

| Host: Rabbit | Reactivity: Human, Mouse, Rat |
| :--- | :--- |
| Isotype: IgG | Clonality: |

## Overview:

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.

Gene ID: 4481

## Accession \#:

Immunogen: Recombinant fusion protein of human MSR1 (NP_619729.1).
Conjugation: Unconjugated
Swissprot: P21757

## Calculated Molecular Weight:

## Observed Molecular Weight:

Concentration: $1 \mathrm{mg} / \mathrm{mL}$
Buffer: PBS with $0.02 \%$ sodium azide, $50 \%$ glycerol, pH7.3
Purification Method: Affinity purification

## Application: IF

Dilution: IF 1:50-1:200
Storage: Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles.

