MSR1 Rabbit mAb

Catalog No.: A2401 Recombinant 3 Publications



Basic Information

Observed MW 70kDa

Calculated MW 50kDa

Category Primary antibody

Applications WB,ELISA

Cross-Reactivity Human, Mouse, Rat

CloneNo number ARC0750

Background

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.

Recommended Dilutions

WB	1:1000 - 1:6000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
ELISA	concentration is 1 μg/mL. Please optimize the concentration based on

Immunogen Information

Gene ID 4481

Swiss Prot P21757

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

SRA; SR-A; CD204; SR-AI; phSR1; phSR2; SCARA1; SR-AII; SR-AIII; MSR1

Contact

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Product Information

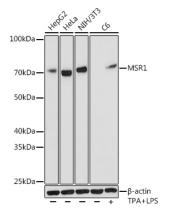
Source Rabbit

Isotype lgG

Purification Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



Western blot analysis of various lysates using MSR1 Rabbit mAb (A2401) at 1:1000 dilution. C6 cells were treated with TPA for 3 hours and LPS for 6 hours of stimulation. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.