

Datasheet for ABIN7193254 anti-Macrophage Scavenger Receptor 1 antibody (AA 275-451)

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5 Images

Overview

Quantity:	0.1 mg
Target:	Macrophage Scavenger Receptor 1 (MSR1)
Binding Specificity:	AA 275-451
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Macrophage Scavenger Receptor 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human CD204 (AA: extra 275-451) expressed in E. coli.
Clone:	5B8H4
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Macrophage Scavenger Receptor 1 (MSR1)
Alternative Name:	CD204 (MSR1 Products)
Background:	Description: This gene encodes the class A macrophage scavenger receptors, which include

Target Details

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.

Aliases: MSR1, SRA, SR-A, SR-AI, phSR1, phSR2, SCARA1, SR-AII, SR-AIII

Molecular Weight:	49.8 kDa
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Gene ID:	4481
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400, ICC: N/A, IHC: N/A
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Restrictions:	For Research Use only
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Handling

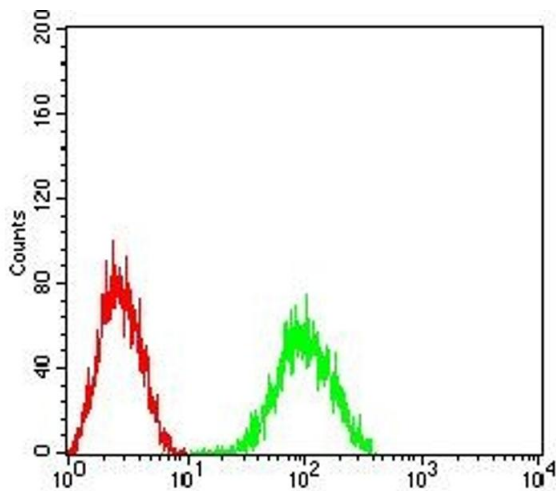
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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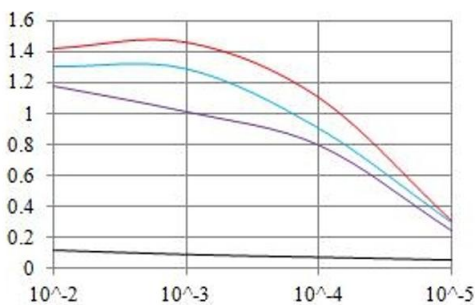
Storage Comment:	4°C, -20°C for long term storage
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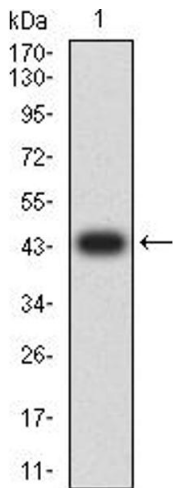
Flow Cytometry

Image 1. Flow cytometric analysis of HL-60 cells using CD204 mouse mAb (green) and negative control (red).

O.D. ELISA Result



— Control Antigen = 100ng — Antigen = 10ng
— Antigen = 50ng — Antigen = 100ng



ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

Western Blotting

Image 3. Western blot analysis using CD204 mAb against human CD204 (AA: extra 275-451) recombinant protein. (Expected MW is 44.3 kDa)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7193254.