

Mouse Monoclonal Antibody to CD204

Order Information

Catalog#	31541	
Size/Concentration	100µl	50µl
Price(¥)	2180	1280

Description

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.

Specification

Aliases	: MSR1; SRA; SR-A; SR-AI; phSR1; phSR2; SCARA1; SR-AII; SR-AIII
Entrez GeneID	: 4481
Swissprot	: P21757
clone	: 5B8H4
WB Predicted band size	: 49.8kDa
Host/Isotype	: Mouse IgG1
Storage	: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Species Reactivity	: Human
Immunogen	: Purified recombinant fragment of human CD204 (AA: extra 275-451) expressed in E. Coli.
Formulation	: Purified antibody in PBS with 0.05% sodium azide

Application

WB	1/500 - 1/2000
FCM	1/200 - 1/400
ELISA	1/10000

References

- 1.Asian Pac J Cancer Prev. 2015;16(13):5407-13.
- 2.Cancer Sci. 2013 Aug;104(8):1112-9.

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Protocol

WB - www.promab.com/protocol/wb.html
IHC - www.promab.com/protocol/ihc.html
ICC - www.promab.com/protocol/icc.html
HCM - www.promab.com/protocol/hcm.html

Antigen Sequence is available upon request.

Products and Services

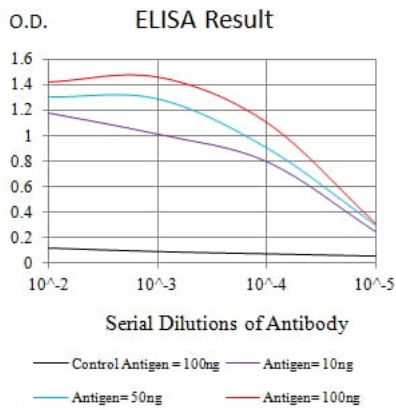
- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

For Research Only

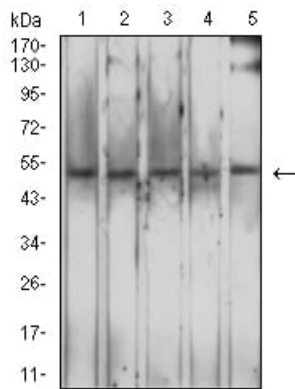
Application Key:WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

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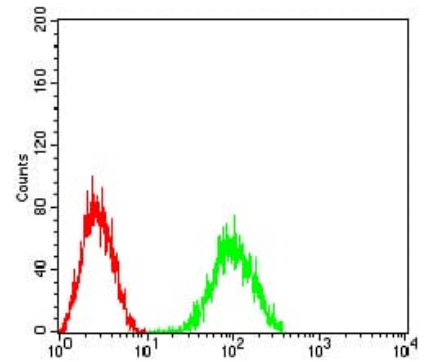
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Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using CD204 mouse mAb against PC-2 (1), A549 (2), HepG2 (3), L-02 (4), and PANC-1 (5) cell lysate.



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

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