

Rabbit anti-Mouse CD204/MSR1 Monoclonal Antibody | anti-MSR1 antibody

Recombinant Anti-CD204/MSR1 Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257093	Rabbit	Mouse	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

CD204/MSR1; Monoclonal Antibody; Recombinant Anti-CD204/MSR1 Antibody; Rabbit Monoclonal; MSR1/CD204 Antibody; Rabbit MAb; macrophage scavenger receptor 1; Anti-MRS-A Antibody; Anti-MSR Antibody; Anti-MSR-A Antibody; Anti-Scara1 Antibody; Anti-Scvr Antibody; Anti-SR-AI Antibody; Anti-SR-AII Antibody; anti-MSR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	004
Specificity	Mouse MSR1/CD204
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MSR1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse MSR1/CD204 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse MSR1/CD204 (rM MSR1/CD204).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Mouse MSR1(CD204) expression on Raw264.7 cells. Cells were stained with purified anti-Mouse MSR1(CD204), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IHC (Immunohistochemistry)

Immunochemical staining of mouse MSR1 in mouse liver with rabbit monoclonal antibody (1:100, formalin-fixed paraffin embedded sections).



IF (Immunofluorescence)

Confocal immunofluorescence analysis of Mouse MSR1 in RAW264.7 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with Rabbit anti-Mouse MSR1 monoclonal antibody (1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to plasma membrane.

ADDITIONAL INFORMATION

Related Product Information for anti-MSR1 antibody

Macrophage scavenger receptor types I and II, also known as Macrophage acetylated LDL receptor I and II, Scavenger receptor class A member 1, CD24, MSR1, and SCARA1, is a single-pass type II membrane protein that contains one collagen-like domain and one SRCR domain. Macrophages are distributed in all peripheral tissues and play a critical role in the first line of the innate immune defenses against bacterial infection by phagocytosis of bacterial pathogens through the macrophage scavenger receptor 1 (MSR1). MSR1/SCARA1 is one of the membrane glycoproteins implicated in the pathologic deposition of cholesterol in arterial walls during atherogenesis. Two types of receptor subunits exist. These receptors mediate the endocytosis of a diverse group of macromolecules, including modified low-density lipoproteins (LDL). MSR1/SCARA1 is also involved in chronic inflammation which is a risk factor for prostate cancer. MSR1 1 gene was identified as a candidate susceptibility gene for hereditary prostate cancer and as a risk factor for sporadic prostate cancer.

References

Wang L. et al., 2003, Nat Genet. 35 (2): 128-9. Chen Y.C. et al., 2008, Cancer Epidemiol Biomarkers Prev. 17 (4): 1001-3. Shirato K. et al., 2009, Pflugers Arch. 459 (1): 93-103. Sun J. et al., 2006, Prostate. 66 (7): 728-37.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd204-msr1-antibody-clone-004-immunofluorescence-immunocytochemistry-flow-cytometry-immunohistochemistry-elisa/257093>