

Anti-CD204/MSR1 Antibody (4Z10)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	Unconjugated
Clone:	4Z10
Purification:	Protein A

Applications

Verified Activity:	<p>1. 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°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.</p> <p>2. Immunochemical staining of mouse MSR1 in mouse liver with rabbit monoclonal antibody (1:100, formalin-fixed paraffin embedded sections).</p> <p>3. 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.</p>
Application:	FCM,ICC/IF,IHC-P
Recommended	IHC-P: 1:50-1:200; ICC-IF: 1:50-1:1000; FCM: 1:25-1:100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Mouse MSR1 / CD204 protein (TMPY-00528)
Antigen Species:	Mouse
Synonyms:	macrophage scavenger receptor 1

Research Background

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

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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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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