

Anti-CD204/MSR1 Antibody-PE (4Z10)

Product Details

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

Applications

Verified Activity:	Profile of anti-MSR1 (CD204) reactivity on Raw264.7 cells analyzed by flow cytometry. Cells should be Fc-blocked by treatment with Mouse BD Fc Block™ purified anti-CD16/CD32 mAb 2.4 G2 prior to staining, washed, then stained with PE Rabbit anti-MSR1 (CD204).
Application:	FCM
Recommended	5 µl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
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 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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