



Mouse Anti-Human CD204/MSR1 monoclonal antibody, clone NN14 (CABT-ZB813)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human CD204/MSR1
Target	MSR1
Immunogen	Recombinant Human MSR1/CD204 Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN14
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB813 - CABT-ZB1104 This antibody will detect CD204/MSR1 in antibody pair set. [ABPR-ZB394]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human MSR1 / CD204. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific

Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	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.
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Keywords	MSR1; macrophage scavenger receptor 1; SRA; SR-A
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GENE INFORMATION

Synonyms	MSR1; macrophage scavenger receptor 1; SRA; SR-A; CD204; phSR1; phSR2; SCARA1; macrophage scavenger receptor types I and II; scavenger receptor class A member 1; scavenger receptor class A, member 1; macrophage scavenger receptor type III; macrophage acetylated LDL receptor I and II
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Entrez Gene ID	4481
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UniProt ID	P21757
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