

## ARG83333 Human CD204 / MSR1 ELISA Kit

Package: 96 wells

Store at: 4°C

### Summary

Product Description	ARG83333 Human CD204 / MSR1 ELISA Kit is a high sensitive Enzyme Immunoassay kit for the quantification of Human CD204 / MSR1 in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD204 / MSR1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	45 pg/ml
Detection Range	93.7 - 6000 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Precision	CV:
Alternate Names	MSR1; Macrophage Scavenger Receptor 1; SCARA1; SR-AIII; SR-AII; CD204; SR-AI; SR-A; Macrophage Scavenger Receptor Types I And II; Macrophage Acetylated LDL Receptor I And II; Scavenger Receptor Class A Member 1; Macrophage Scavenger Receptor Type III; CD204 Antigen; PhSR1; PhSR2; SRA

### Application Instructions

Assay Time	4.5 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

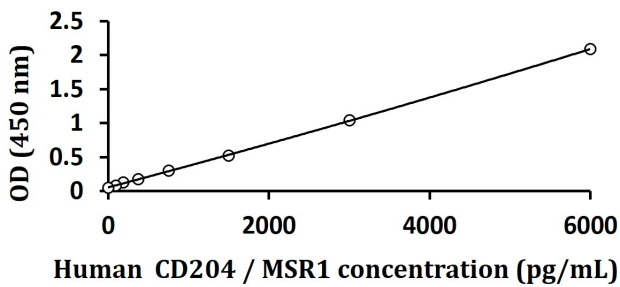
Gene Symbol	MSR1
Gene Full Name	Macrophage Scavenger Receptor 1
Background	This gene encodes the class A macrophage scavenger receptors, which include three different types (1, 2, 3) generated by alternative splicing of this gene. These receptors or isoforms are macrophage-specific trimeric integral 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.

Function	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).
PTM	Disulfide bond, Glycoprotein, Phosphoprotein
Cellular Localization	LDL, Membrane

## Images

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ARG83333 Human CD204 / MSR1 ELISA Kit standard curve image

ARG83333 Human CD204 / MSR1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.

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