

**Human CellExp MSR1/CD204, human recombinant protein**  
**MSR1, CD204, SCARA1, SR-A, phSR1, phSR2**  
**Catalog # PBV11013r****Specification**

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**Human CellExp MSR1/CD204, human recombinant protein - Product info**Primary Accession  
Calculated MW[P21757](#)

This protein is fused with 6×His tag at the C-terminus, has a calculated MW of 42.1 kDa. The predicted N-terminus is Lys 77. DTT-reduced Protein migrates as 65-72 kDa due to glycosylation. KDa

**Human CellExp MSR1/CD204, human recombinant protein - Additional Info**Gene ID **4481**  
Gene Symbol **MSR1****Other Names**

MSR1, CD204, SCARA1, SR-A, phSR1, phSR2

Gene Source **Human**  
Source **HEK293 cells**  
Assay&Purity **SDS-PAGE; ≥95%**  
Assay2&Purity2 **N/A;**  
Recombinant **Yes**  
Results

**Measured by its binding ability in a functional ELISA. Immobilized rhMSR1 at 5 µg/ml (100 µl/well) can bind biotinylated advanced glycation end products of bovine serum albumin with a linear range of 1 - 150 ng/ml.**

**Target/Specificity**  
MSR1/CD204**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

**Format**  
Lyophilized**Storage**

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

**Human CellExp MSR1/CD204, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Human CellExp MSR1/CD204, human recombinant protein - Images**

#### **Human CellExp MSR1/CD204, human recombinant protein - Background**

Macrophage scavenger receptor 1 (MSR1) also known as CD204, SCARA1, SR-A, and is 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 trimeric integral membrane glycoproteins and have been implicated in many macrophage-associated physiological and pathological processes. 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. Defects in MSR1 may be a cause of prostate cancer (PC) or Barrett esophagus (BE).

#### **Human CellExp MSR1/CD204, human recombinant protein - References**

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