

# CD204 Rabbit mAb

Catalog No.: A25614 **Recombinant**

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

40kDa/43kDa/50kDa

### Category

Primary antibody

### Applications

IHC-P,FC,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC66058

## 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.

## Recommended Dilutions

**IHC-P** 1:200 - 1:800**FC** 1:500 - 1:1000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

4481

### Swiss Prot

P21757

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

SRA; SR-A; CD204; SR-AI; phSR1; phSR2; SCARA1; SR-AII; SR-AIII

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

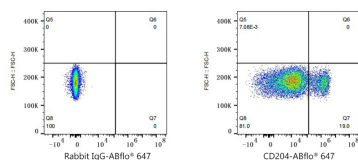
Affinity purification

### Storage

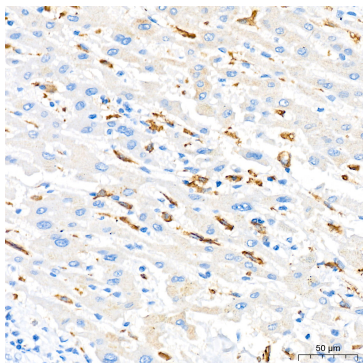
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

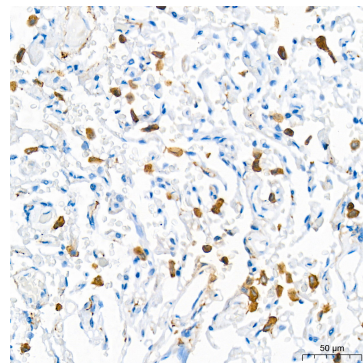
## Validation Data



Flow cytometry: 1X10<sup>6</sup> 293T (Transfection) cells were surface-stained with Rabbit IgG isotype control (AC042, 2 μg/mL, left) or CD204 Rabbit mAb (A25614, 2 μg/mL, right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using CD204 Rabbit mAb (A25614) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung tissue using CD204 Rabbit mAb (A25614) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.