

Recombinant Human CD204 protein (rFc Tag)

Catalog Number: Eg2566

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human CD204 protein Lys77-Leu451 (Accession# P21757-1) with a rabbit IgG Fc tag at the N-terminus.

GeneID:

4481

Accession:

P21757-1

Predicted Molecular Mass:

68.5 kDa

SDS-PAGE:

75-110 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

MSR1 also known as CD204, belongs to the scavenger receptor family, which is mainly expressed on the surface of macrophages. MSR1 plays a key inflammatory role in various pathophysiological processes, including atherosclerosis, innate and adaptive immunity, lung and liver disease, and cancer. MSR1 binds to a variety of ligands, including modified low-density lipoproteins (LDL) and lipids, and is involved in endocytosis, positive regulation of cholesterol storage, and positive regulation of macrophage-derived foam cell differentiation. Studies have shown that MSR1 is significantly increased in peripheral blood mononuclear cells (PBMCs) from patients with asthma and chronic obstructive pulmonary disease (COPD), which may serve as a disease marker.

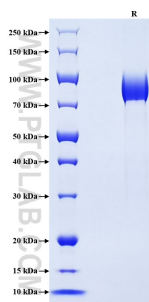
References

1. Olivier Govaere, et al. (2022) J Hepatol. 76(5):1001-1012.
2. Jack Gudgeon, et al. (2022) Front Immunol. 13:1012002.
3. Selene Baos, et al. (2022) J Clin Med. 11(5):1439.

Synonyms

Macrophage acetylated LDL receptor I and II, Macrophage scavenger receptor types I and II, MSR1, SCARA1, Scavenger receptor class A member 1

Selected Validation Data



Purity of Recombinant Human CD204 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.