

Recombinant Human CD206 protein (rFc Tag)

Catalog Number: Eg2428

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 CD206 protein Leu19-Ala1389 (Accession# P22897-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

4360

Accession:

P22897-1

Predicted Molecular Mass:

183.0 kDa

SDS-PAGE:

140-220 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

CD206, also named as MMR, CLEC13D and MRC1, is a type I membrane receptor that mediates the endocytosis of glycoproteins by macrophages. CD206 has been shown to bind high-mannose structures on the surface of potentially pathogenic viruses, bacteria, and fungi so that they can be neutralized by phagocytic engulfment. CD206 is a 170 kDa transmembrane glycoprotein which contains 5 domains: an amino-terminal cysteine-rich region, a fibronectin type II repeat, a series of eight tandem lectin-like carbohydrate recognition domains (responsible for the recognition of mannose and fucose), a transmembrane domain, and an intracellular carboxy-terminal tail. It is expressed on most tissue macrophages, in vitro derived dendritic cells, lymphatic and sinusoidal endothelial cells.

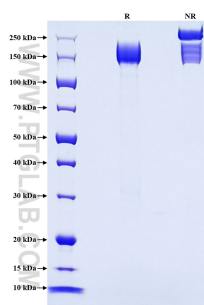
References

1. Wollenberg A. et al. (2002) J Invest Dermatol. 118(2):327-34.
2. Xu ZJ. et al. (2019) Oncoimmunology. 9(1):1683347.
3. Jaynes J.M. et al. (2020) Sci Transl Med. 12(530):eaax6337.
4. Debacker J.M. et al. (2021) Cancers. 13(14):3422.

Synonyms

CLEC13D, CLEC13DL, C-type lectin domain family 13 member D, C-type lectin domain family 13 member D-like, hMR

Selected Validation Data



Purity of Recombinant Human CD206 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) 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

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