

Recombinant Human MMR/CD206 Protein

Catalog No.: RP03527 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	4360	P22897-1

Tags

C-His

Synonyms

Macrophage mannose receptor 1;MRC1; CLEC13D; CLEC13DL; MRC1L1;CD206

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
158.34 kDa	160-180 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

Mannose receptor (also known as CD206) is a highly glycosylated type I transmembrane protein that is mainly present on the surface of macrophages, dendritic cells and avascular endothelial cells. CD206 can mediate the internalization of soluble and granular carbohydrate structures, thereby participating in innate immunity. And CD206 binds sulfated and non-sulfated polysaccharide chains through macrophage-mediated endocytosis of glycoproteins. It also acts as a phagocytic receptor for bacteria, fungi and other pathogens or a receptor for dengue virus envelope protein E.

Basic Information

Description

Recombinant Human MMR/CD206 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu19-Ala1389) of Human MMR/CD206 (Accession # NP_002429.1) fused with His tag at the C-terminus.

Bio-Activity

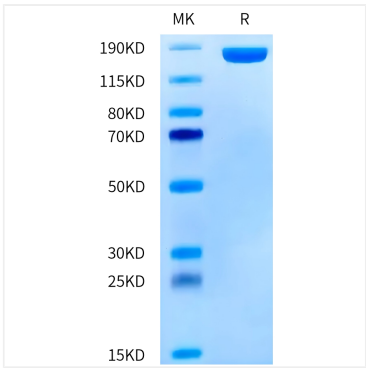
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

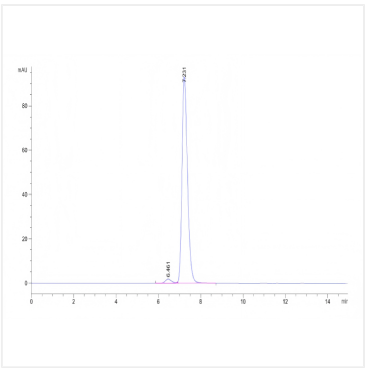
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human MMR/CD206 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of Human CD206 is greater than 95% as determined by SEC-HPLC.