

Recombinant Mouse MMR/CD206 Protein

Catalog No.: RP03284 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	17533	Q61830

Tags

C-His

Synonyms

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

Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE and SEC-HPLC.

Calculated MW	Observed MW
157.3 kDa	150-180 kDa

Endotoxin

< 1.0 EU/ μ g of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μ m filtered
solution of PBS, pH 7.4. Contact us for
customized product form or formulation.

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.

Contact

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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 Mouse MMR/CD206 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu20-Ala1388) of mouse MMR/CD206 (Accession #Q61830) fused with His tag at the C-terminus.

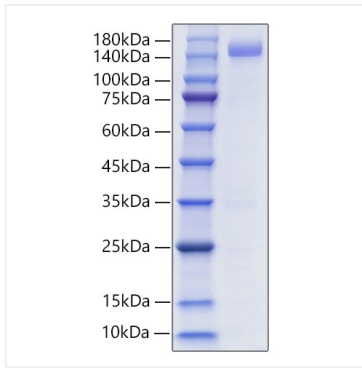
Bio-Activity

Immobilized Mannan from *Saccharomyces cerevisiae* at 20 μ g/mL (100 μ L/well) can bind Mouse CD206 Protein with a linear range of 0.078-1.25 μ g/mL.

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 Mouse MMR/CD206 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 150-180 kDa.