

**Catalog No.: RP03284** **Recombinant**

Species	Gene ID	Swiss Prot
Mouse	17533	O61830

## C-His

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

<b>Source</b>	<b>Purification</b>
HEK293 cells	≥ 90 % as determined by SDS-PAGE

157.3 kDa                      150-180 kDa

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

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

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.

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

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.

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.

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

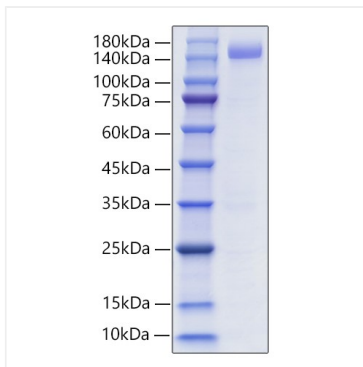
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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.

For your safety and health, please wear a lab coat and disposable gloves for handling.

## Validation Data

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