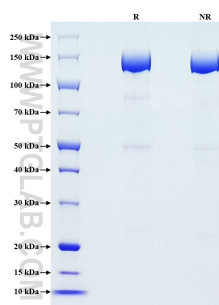


Recombinant Mouse MMR/CD206 protein (His Tag)

Catalog Number: Eg0790

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: CHO-derived Mouse MMR protein Arg23-Ala1388 (Accession# Q2HZ94) with a His tag at the C-terminus.</p> <p>GeneID: 17533</p> <p>Accession: Q2HZ94</p> <p>Predicted Molecular Mass: 156.2 kDa</p> <p>SDS-PAGE: 125-150 kDa, reducing (R) conditions</p> <p>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.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>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.</p>		
References	<ol style="list-style-type: none">1. R A Ezekowitz, et al. (1990) J Exp Med. 172(6):1785-94.2. S J Kim, et al. (1992) Genomics. 14(3):721-7.3. Abul K Azad, et al. (2014) J Cytol Mol Biol. 1(1):1000003.4. Hadar Feinberg, et al. (2021) J Biol Chem. 296:100368.		
Synonyms	CD206, Mrc1, mannose receptor, C type 1, MMR, MR		

Selected Validation Data



Purity of Recombinant Mouse MMR 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

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