

**Synonym**

MMR, CD206, hMR, MRC1, CLEC13D, CLEC13DL, MRC1L1

SourceMouse CD206 Protein, His Tag (CD6-M52H7) is expressed from human 293 cells (HEK293). It contains AA Leu 20 - Ala 1388 (Accession # [Q61830](#)).

Predicted N-terminus: Leu 20

Molecular Characterization

CD206(Leu 20 - Ala 1388)	Poly-his
Q61830	

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 157.3 kDa. The protein migrates as 150-180 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.**Endotoxin**Less than 1.0 EU per μ g by the LAL method / rFC method.**Purity**

>90% as determined by SDS-PAGE.

>95% as determined by SEC-HPLC.

FormulationLyophilized from 0.22 μ m filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

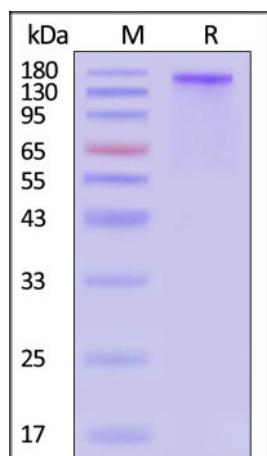
*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.***Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

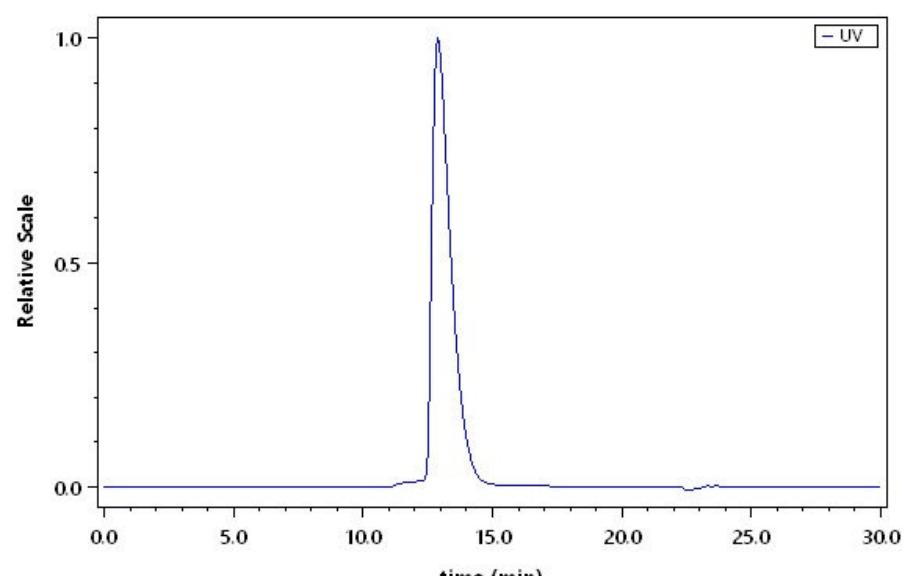
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

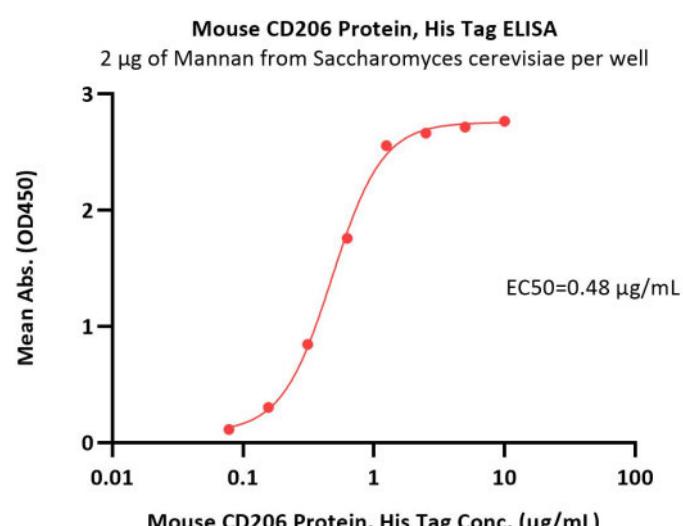
SDS-PAGE

Mouse CD206 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-HPLC

The purity of Mouse CD206 Protein, His Tag (Cat. No. CD6-M52H7) was greater than 95% as determined by SEC-HPLC.

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Immobilized Mannan from *Saccharomyces cerevisiae* at 20 μ g/mL (100 μ L/well) can bind Mouse CD206 Protein, His Tag (Cat. No. CD6-M52H7) with a linear range of 0.078-1.25 μ g/mL (QC tested).

Background

Mrc1 is a conserved checkpoint mediator protein that transduces the replication stress signal to the downstream effector kinase. Mrc1 and its vertebrate homologue Claspin serve as a mediator for replication stress checkpoint signaling, receiving the signal from Mec1/Rad3/ATR sensor kinase and transmitting it to the effector Rad53/Cds1/Chk1 kinase. The loss of mrc1 checkpoint activity results in the aberrant activation of late/dormant origins in the presence of hydroxyurea. Tumor-associated macrophages (TAMs) expressing the multi-ligand endocytic receptor mannose receptor (CD206/MRC1) contribute to tumor immunosuppression, angiogenesis, metastasis, and relapse.

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