

Catalog No.: RP03101 **Recombinant**

Species	Gene ID	Swiss Prot
Human	10747	O00187

C-His

MAP19; MASP-2; MASP1P1; sMap

Source <i>E. coli</i>	Purification ≥ 95 % as determined by Tris- Bis PAGE.
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Calculated MW	Observed MW
46.9 kDa	18, 25-30 kDa

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

Supplied as a 0.22 μ m filtered solution in 20mM Tris, 200mM NaCl (pH 9.0).
Contact us for customized product form or formulation.

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The pathogenesis of severe acute respiratory disease syndrome (SARS) is not fully understood. One case-control study has reported an association between susceptibility to SARS and mannan-binding lectin (MBL) in China. As the downstream protein of MBL, variants of the MBL-associated serine protease-2 (MASP2) gene may be associated with SARS coronavirus (SARS-CoV) infection in the same population.

Recombinant Human MASP2 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Gly288-Phe686) of Human MASP2 (Accession # NP_006601.2) fused with His tag at the C-Terminus.

1. Immobilized Human MASP2, His Tag at 0.2µg/ml (100µl/Well). Dose response curve for Anti-MASP2 Antibody, hFc Tag with the EC₅₀ of 3.0ng/ml determined by ELISA (QC Test). [2. Anti-MASP2 Antibody captured on CM5 Chip via Protein A can bind Human MASP2, His Tag with an affinity constant of 3.08 nM as determined in SPR assay (Biacore T200). [3. Measured by its ability to cleave a colorimetric peptide substrate, N-carbobenzoyloxy-Lys-ThioBenzyl ester (Z-Lys-SBzl), in the presence of 5,5'Dithio-bis. The specific activity is >2800 pmol/min/µg. (QC Test)

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

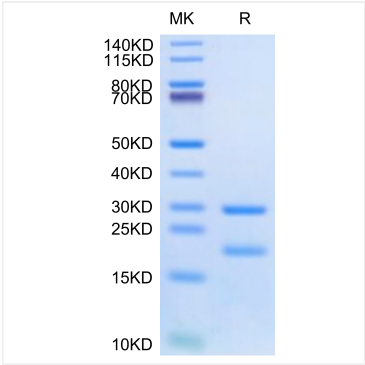
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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

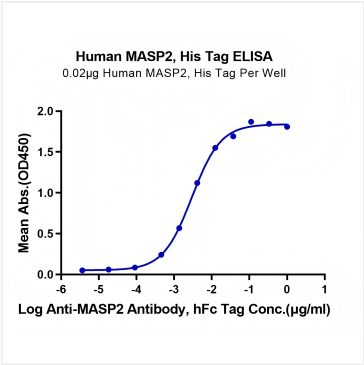
Avoid repeated freeze/thaw cycles.

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

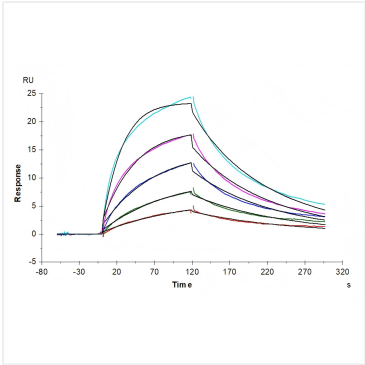
Validation Data



Recombinant Human MASP2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human MASP2, His Tag at 0.2µg/ml (100µl/Well). Dose response curve for Anti-MASP2 Antibody, hFc Tag with the EC50 of 3.0ng/ml determined by ELISA (QC Test).



Anti-MASP2 Antibody captured on CM5 Chip via Protein A can bind Human MASP2, His Tag with an affinity constant of 3.08 nM as determined in SPR assay (Biacore T200).