Recombinant Human MASP2 Protein

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Catalog No.: RP03101 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 10747 000187

Tags C-His

Synonyms

MAP19; MASP-2; MASP1P1; sMap

Product Information

Source Purification
E. coli ≥ 95 % as

determined by Tris-Bis PAGE.

Calculated MW Observed MW

46.9 kDa 18, 25-30 kDa

Endotoxin

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

Formulation

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

Reconstitution

Background

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.

Basic Information

Description

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 with His tag at the C-Terminus.

Bio-Activity

1.Immobilized Human MASP2, His Tag at $0.2\mu g/ml$ ($100\mu l/Well$). 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).

Shipping

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

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.

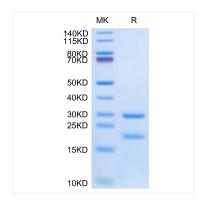
Operational Notes

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

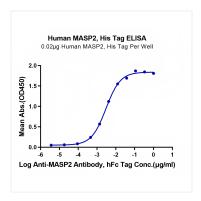
Contact

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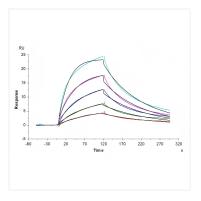
Validation Data



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



Immobilized Human MASP2, His Tag at $0.2\mu g/ml$ (100 $\mu l/Well$). 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).