Recombinant Human MASP2 Protein

Catalog No.: RP03101

Sequence Information

Species
Human

Gene ID
10747

Swiss Prot
O00187

Tags
C-His

Synonyms
MAP19; MASP-2; MASP1P1; sMap

Product Information

Source
E. coli

Purification
≥ 95 % as determined by Tris-Bis PAGE.

Calculated MW
46.9 kDa

Observed MW
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.

Activity
1.Immobilized Human MASP2, His Tag at 0.2μg/ml (100μl/Well). Dose response curve for Anti-MASP2 Antibody, hFc Tag with the EC_{50} 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-carbobenzyloxy-Lys-ThioBenzyl ester (Z-Lys-SBzl), in the presence of 5,5'Dithio-bis. The specific activity is >2800 pmol/min/μg. (QC Test)

Shipping
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.

Storage
Store at -20℃

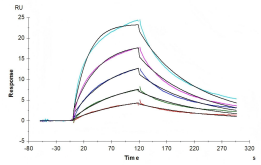
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

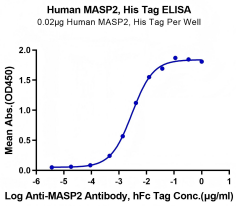
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

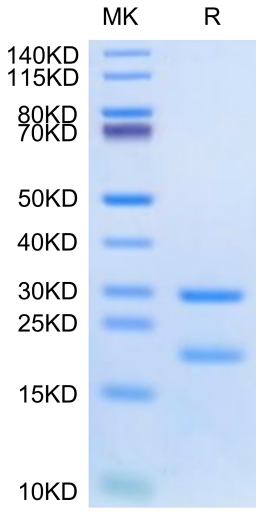
Validation Data



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).



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).



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