

Datasheet for ABIN7275291

**MASP2 Protein (AA 287-686) (His tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	MASP2
Protein Characteristics:	AA 287-686
Origin:	Cynomolgus
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MASP2 protein is labelled with His tag.

## Product Details

Purpose:	Cynomolgus MASP2 Protein
Sequence:	Thr287-Phe686
Characteristics:	Recombinant Cynomolgus MASP2 Protein is expressed from E.coli with His tag at the C-Terminus. It contains Thr287-Phe686.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus MASP2, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-MASP2 Antibody, hFc Tag with the EC50 of 10.4 ng/ml determined by ELISA. See testing image for detail.

## Target Details

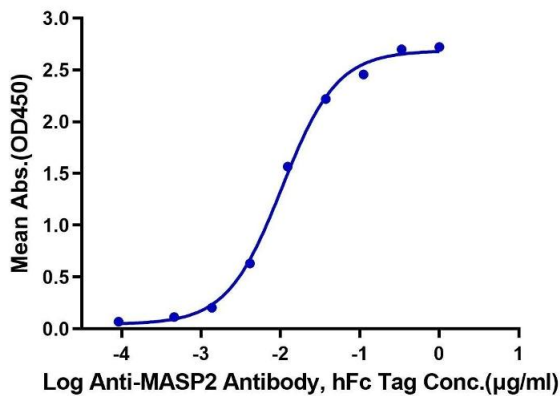
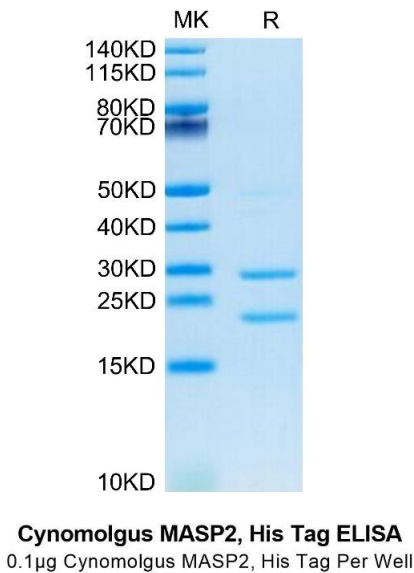
Target:	MASP2
Alternative Name:	MASP2 ( <a href="#">MASP2 Products</a> )
Background:	The dysregulation of complement cascade leads to unsolicited cytokine storm, inflammation, deterioration of alveolar lining cells, culminating in acquired respiratory destructive syndrome (ARDS). Similar pathogenesis is observed with the middle east respiratory syndrome (MERS), severe acquired respiratory syndrome (SARS), and SARS-CoV-2. Activation of the lectin pathway via mannose-binding lectin associated serine protease 2 (MASP2) is witnessed under discrete viral infections including COVID-19.
Molecular Weight:	46.8 kDa. Due to autocatalytic cleavage, the protein migrates to 21-24 kDa&28-30 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">A0A2K5UJY0</a>
Pathways:	<a href="#">Complement System</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM Tris, 200 mM NaCl ( pH 9.0). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



**SDS-PAGE**

**Image 1.** Cynomolgus MASP2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

**ELISA**

**Image 2.** Immobilized Cynomolgus MASP2, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-MASP2 Antibody, hFc Tag with the EC50 of 10.4 ng/mL determined by ELISA.