

Datasheet for ABIN6239794

MASP2 Protein (AA 445-683) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	MASP2
Protein Characteristics:	AA 445-683
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This MASP2 protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 97 %
Biological Activity Comment:	<p>MASP2 (Mannan-binding lectin serine protease 2) is a serum protease that plays an important role in the activation of the complement system via mannose-binding lectin. The preproprotein of MASP2 is proteolytically processed to generate A and B chains that heterodimerize to form the mature protease, which is able to associate with MBL2. Thus, a functional binding ELISA assay was constructed to detect the association of rhMASP2 with MBL2. Briefly, rhMASP-2 were diluted serially in 10mM Tris-HCl, 1M NaCl, 5mM CaCl₂, and 0.05% Triton X-100 (pH 7.4). Duplicate samples of 100µL were then transferred to MBL2-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-MASP-2 pAb, then aspirated and washed 3 times. After incubation with HRP labeled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were</p>

Product Details

incubated for 15-25 minutes at 37°C. Finally, add 50 µL stop solution to the wells and read at 450 nm immediately. The binding activity of MASP2 with MBL2 was shown in Figure 1 and this effect was in a dose dependent manner. The binding activity of MASP2 with MBL2.

Target Details

Target:	MASP2
Alternative Name:	Mannose Associated Serine Protease 2 (MASP2) (MASP2 Products)
Background:	Alternative Names: Mannose-binding protein-associated serine protease 2, mannan-Binding Lectin Serine Peptidase 2, MBL-associated serine protease 2
Molecular Weight:	27 kDa
UniProt:	O00187
Pathways:	Complement System

Application Details

Application Notes:	Isoelectric Point: 5.7
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

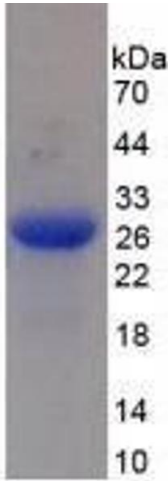


Image 1.