MASP2 Protein, Rat (His)

Cat. No.:	HY-P77801
Synonyms:	MAP19; MASP-2; MASP1P1; sMap
Species:	Rat
Source:	E. coli
Accession:	A2VCV7 (T287-F685)
Gene ID:	64459
Molecular Weight:	15-20 kDa

PROPERTIES

Biological Activity	Immobilized Rat MASP2, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Anti-MASP2 Antibody, hFc Tag with the EC_{50} of 8.9ng/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22 μm filtered solution of 50 mM Tris, 200 mM NaCl, pH 9.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	Mannan-binding lectin serine protease 2 (MASP2) is a protein that exhibits a deficiency in the conserved residue(s) required for propagating feature annotation. The specific residue(s) that are missing in MASP2 hinder the propagation of certain functional characteristics associated with this protein. MASP2 is a serine protease that plays a crucial role in the lectin pathway of the complement system, which is a part of the innate immune response. The lectin pathway is activated by the binding of MASP2 to specific carbohydrates on pathogen surfaces, leading to the activation of complement components and subsequent immune responses. The impact of the deficient residue(s) in MASP2 on its function and the lectin pathway needs further exploration to better understand its implications on immune responses mediated by MASP2.

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