

MASP2 Protein, Human (His)

Cat. No.:	HY-P78005
Synonyms:	MAP19; MASP-2; MASP1P1; sMap
Species:	Human
Source:	E. coli
Accession:	O00187 (G288-F686)
Gene ID:	10747
Molecular Weight:	18 kDa&25-30 kDa

PROPERTIES

Biological Activity	Immobilized Human MASP2 at 0.2 µg/mL (100µL/Well). Dose response curve for Anti-MASP2 Antibody with the EC ₅₀ of 3.0-5.3 ng/mL determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris, 100-200 mM NaCl, pH 9.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	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	MASP2 is a serum protease that plays a crucial role in the activation of the complement system through mannose-binding lectin. Once activated by auto-catalytic cleavage, MASP2 cleaves C2 and C4, resulting in their activation and the subsequent formation of C3 convertase, a pivotal step in the complement cascade.
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Caution: Product has not been fully validated for medical applications. For research use only.

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