

MASP2 mouse monoclonal antibody (hybridoma)

Catalog # H00010747-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant MASP2.
Immunogen	MASP2 (NP_006601.2, 1 a.a. ~ 686 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MRLLTLLGLLCGSVATPLGPKWPEPVFGRLASPGFPGEYANDQERRWLTAPPGYRLRLYFTHF DLELSHLCEYDFVKLSSGAKVLATLCGQESTDTERAPGKDTFYSLGSSLDITFRSDYSNEKPFTG FEAFYAAEDIDECQVAPGEAPTCDDHCHNHLGGFYCSCRAGYVLRNKRTCSALCSGQVFTQRS GELSSPEYPRYPKLSSCTYSISLEEGFSVILDFVESFDVETHPETLCPYDFLKIQTDRREEHGPFCG KTLPHRIETKSNTVTITFVTDESGDHTGWKIHYTSTAQPCPYPMAPPNGHVSPVQAKYILKDSFSIF CETGYELLQGHPLKSFTAVCQKDGSWDRPMPACSNVDCGPPDDLPSGRVEYITGPGVTTYKAVI QYSCEETFYTMKVNDGKYVCEADGFWTSSKGEKSLPVCEPVCGLSARTTGGRYGGQKAKPGD FPWQVLILGGTTAAGALLYDNWVLTAAHAVYEQKHDASALDIRMGTLLKRLSPHYTQAWSEAVFIHE GYTHDAGFDNDIALIKLNNKVVINSNITPICLPRKEAESFMRTDDIGTASGWGLTQRGFLARNLMYV DIPVDHQKCTAAAYEKPPYPRGSVTANMLCAGLESGGKDCRGDSSGALVFLDSETERWVFGGI VSWGSMNCGEAGQYGVYTKVINYPWIENIISDF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (80)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — MASP2

Entrez GeneID [10747](#)

GeneBank Accession# [NM_006610.2](#)

Protein Accession# [NP_006601.2](#)

Gene Name MASP2

Gene Alias MAP19, MASP-2, sMAP

Gene Description mannan-binding lectin serine peptidase 2

Omim ID [605102](#)

Gene Ontology [Hyperlink](#)

Gene Summary The Ra-reactive factor (RARF) is a complement-dependent bactericidal factor that binds to the R_a and R₂ polysaccharides expressed by certain enterobacteria. Alternate splicing of this gene results in two transcript variants encoding two RARF components that are involved in the mannan-binding lectin pathway of complement activation. The longer isoform is cleaved into two chains which form a heterodimer linked by a disulfide bond. The encoded proteins are members of the trypsin family of peptidases. [provided by RefSeq]

Other Designations MBL-associated plasma protein of 19 kD|MBL-associated serine protease 2|OTTHUMP00000002174|OTTHUMP000000002175|mannan-binding lectin serine protease 2|small MBL-associated protein

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Atherosclerosis](#)
- [Bacteremia](#)

- [Bacterial Infections](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Colorectal Neoplasms](#)
- [Community-Acquired Infections](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Cytomegalovirus Infections](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Leukemia](#)
- [Liver Neoplasms](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)

- [Pneumococcal Infections](#)
- [Pneumonia](#)
- [Postoperative Complications](#)
- [Rheumatic Fever](#)
- [Rheumatic Heart Disease](#)
- [Severe Acute Respiratory Syndrome](#)
- [Stroke](#)
- [Systemic Inflammatory Response Syndrome](#)