

Recombinant Human MBL2 Protein, His-tagged

Cat. No. MBL2-377H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MBL2 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	248
Description	This gene encodes the soluble mannose-binding lectin or mannose-binding protein found in serum. The protein encoded belongs to the collectin family and is an important element in the innate immune system. The protein recognizes and binds to mannose and N-acetylglucosamine on many microorganisms, including bacteria, yeast, and viruses including influenza virus, HIV and SARS-CoV. This binding activates the classical complement pathway. Deficiencies of this gene have been associated with susceptibility to autoimmune and infectious diseases.
Form	Lyophilized
Molecular Mass	24.8 kDa
AA Sequence	MSLFPSLPLLLSMVAASYSETVTCEDAQKTCPAVIACSSPGINGFPGKDGRDGTKG EKGEPPGQGLRGLQGPPGKLGPPGNPGSPGPKGQKGDGKSPDGDSSLAASE RKALQTEMARIKKWLTFSLGKQVGNKFFLTNGEIMTFEKVKALCVKFQASVATPRNA AENGAIQNLIKEEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVLL LKNQWQNDVPCSTSHLAVCEFPI

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Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	MBL2 mannose-binding lectin (protein C) 2, soluble [Homo sapiens (human)]
Official Symbol	MBL2
Synonyms	MBL2; mannose-binding lectin (protein C) 2, soluble; mannose binding lectin (protein C) 2, soluble (opsonic defect) , MBL; mannose-binding protein C; COLEC1; collectin-1; mannan-binding lectin; mannose-binding lectin 2, soluble (opsonic defect); mannose-binding lectin (protein C) 2, soluble (opsonic defect); MBL; MBP; MBP1; MBL2D; MBP-C; HSMBPC; MGC116832; MGC116833;

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Gene ID	4153
mRNA Refseq	NM_000242
Protein Refseq	NP_000233
MIM	154545
UniProt ID	P11226

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