
Product Data Sheet

Product Name: MBL2 Human, Sf9

Cat. No.: GP23893

Batch No.: 1

Product Data

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms Mannose Binding Lectin 2; Mannose-Binding Lectin (Protein C) 2; Soluble (Opsonic Defect); Collectin-1; COLEC1; MBP-C; MBP1; MBL; Mannose-Binding Lectin 2; Soluble (Opsonic Defect); Mannose-Binding Lectin (Protein C) 2; Soluble; Mannose-Binding Protein C; Mannan-Binding Protein; Mannose-Binding Lectin; Mannan-Binding Lectin; HSMBPC; MBL2D; MBPD; MBP.

Amino Acid Sequence
 ADPETVTCED AQKTCPAVIA CSSPGINGFP GKDGRDGTKG EKGEPGQGLR
 GLQGPPGKLG PPGNPGPSGS PGPKGQKGDP GKSPDGDSSL AASERKALQT
 EMARIKKWLT FSLGKQVGNK FFLTNGEIMT FEKVKALCVK FQASVATPRN
 AAENGAIQNL IKEEAFLGIT DEKTEGQFVD LTGNRLTYTN WNEGEPNNAG
 SDEDCVLLK NGQWNDVPCS TSHLAVCEFP IHHHHHH

Formulation MBL2 protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Introduction

Mannose-binding protein C (MBL2), belongs to the collectin family of pattern recognition molecules and is an important component in the innate immune system. MBL2 is a secreted glycoprotein which recognizes mannose and N-acetylglucosamine on various microorganisms, and is capable of activating the classical complement pathway. Lacking MBL2 has been associated with susceptibility to autoimmune and infectious diseases.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

MBL2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 237 amino acids (21-248a.a.) and having a molecular mass of 25.1kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). MBL2 is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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