Human MBL2/Mannan Binding Lectin Protein

Cat. No. MBL-HM102

Description

Source	Recombinant Human MBL2/Mannan Binding Lectin Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Glu21-Ile248.
Accession	P11226
Molecular Weight	The protein has a predicted MW of 25.11 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

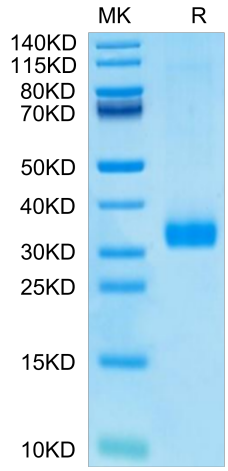
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Mannan-binding lectin (MBL) is a vital element in the host innate immune system, which is primarily produced by the liver and secreted into the circulation.It is present in serum and may bind to a plethora of microbial pathogens and mediate opsonization of these by complement-dependent and/or independent mechanisms.

Assay Data

Tris-Bis PAGE



Human MBL2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.