antibodies-online.com

Datasheet for ABIN2181498

MBP/MBL Protein (AA 21-248) (His tag)

Go to Product page

1 Image

Overview

Quantity:	100 µg
Target:	MBP/MBL
Protein Characteristics:	AA 21-248
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MBP/MBL protein is labelled with His tag.

Product Details

Sequence:	AA 21-248
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 24.8 kDa. The protein migrates as 30-33 kDa under reducing (R) condition (SDS-PAGE).
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	MBP/MBL
Alternative Name:	MBL (MBP/MBL Products)
Background:	Mannose-binding lectin (MBL) is also known as mannose-binding protein, mannan-binding

Target Details

	protein (MBP), Mannose-binding protein C, Collectin-1 (COLEC1), MBL2, which belongs to the class of collectins in the C-type lectin superfamily. MBL contains one C-type lectin domain and one collagen-like domain. MBL has an oligomeric structure (400-700 kDa), built of subunits that contain three presumably identical peptide chains of about 30 kDa each. MBL is calcium-dependent lectin involved in innate immune defense. MBL binds mannose, fucose and N-acetylglucosamine on different microorganisms and activates the lectin complement pathway. MBL binds to late apoptotic cells. MBL may bind DNA.
Molecular Weight:	25.9 kDa

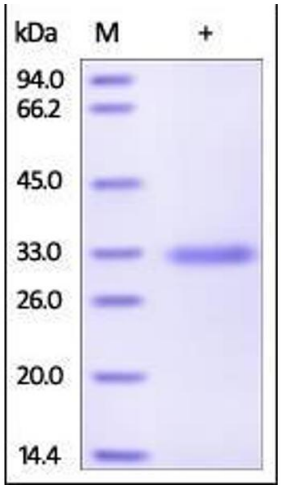
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).

Images



SDS-PAGE

Image 1. Human MBL, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.