

## Product datasheet

# Recombinant Human Mannan Binding Lectin/MBL protein ab151947

### Description

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<b>Product name</b>	Recombinant Human Mannan Binding Lectin/MBL protein
<b>Purity</b>	> 95 % SDS-PAGE. ab151947 has purity greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. 0.2 µM filtered.
<b>Endotoxin level</b>	< 1.000 Eu/µg
<b>Expression system</b>	HEK 293 cells
<b>Accession</b>	<b><u>P11226</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	ETVTCEDAQKTCPAVIACSSSPGINGFPGKDGRDGTKGEK GEPGQGLRGLQ GPPGKLGPPGNPGPSGSPGPKGQKGDGKSPDGDSSL AASERKALQTEMA RIKKWLTFSLGKQVGNKFFLTNGEIMTFEKVKALCVKFQA SVATPRNAAE NGAIQNLIKEEAF LGITDEKTEGQFVDLTGNRLTYTNWNEG EPNNA GSDE DCVLLLKNGQWNDVPCSTSHLAVCEFPMDHHHHHH
<b>Predicted molecular weight</b>	25 kDa including tags
<b>Amino acids</b>	21 to 248
<b>Tags</b>	His tag C-Terminus
<b>Additional sequence information</b>	This is the mature form without the signal sequence.

### Specifications

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Our **Abpromise guarantee** covers the use of **ab151947** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE HPLC
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<b>Form</b>	Lyophilized
<b>Additional notes</b>	This product was previously labelled as Mannan Binding Lectin

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at -80°C. pH: 7.20 Constituents: 94% Phosphate Buffer, 5% Trehalose, 0.88% Sodium chloride
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

## General Info

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<b>Function</b>	Calcium-dependent lectin involved in innate immune defense. Binds mannose, fucose and N-acetylglucosamine on different microorganisms and activates the lectin complement pathway. Binds to late apoptotic cells, as well as to apoptotic blebs and to necrotic cells, but not to early apoptotic cells, facilitating their uptake by macrophages. May bind DNA.
<b>Tissue specificity</b>	Plasma protein produced mainly in the liver.
<b>Involvement in disease</b>	Note=There is an association between low levels of MBL2 and a defect of opsonization which results in susceptibility to frequent and chronic infections.
<b>Sequence similarities</b>	Contains 1 C-type lectin domain. Contains 1 collagen-like domain.
<b>Cellular localization</b>	Secreted.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
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- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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