

# Anti-Mannose Binding Protein Antibody

Rabbit polyclonal antibody to Mannose Binding Protein  
Catalog # AP60969

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P11226</a>
<b>Other Accession</b>	<a href="#">P41317</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	26144

## Additional Information

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<b>Gene ID</b>	4153
<b>Other Names</b>	COLEC1; MBL; Mannose-binding protein C; MBP-C; Collectin-1; MBP1; Mannan-binding protein; Mannose-binding lectin
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Mannose Binding Protein. The exact sequence is proprietary.
<b>Dilution</b>	WB--WB (1/500 - 1/1000)
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C. Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	MBL2 ( <a href="#">HGNC:6922</a> )
<b>Function</b>	Calcium-dependent lectin, which acts as a pattern recognition receptor that initiates the lectin pathway of the complement system, a cascade of proteins that leads to phagocytosis and breakdown of pathogens and signaling that strengthens the adaptive immune system (PubMed: <a href="#">14515269</a> , PubMed: <a href="#">22966085</a> , PubMed: <a href="#">7634089</a> , PubMed: <a href="#">9087411</a> ). Specifically recognizes and binds the mannose moiety of carbohydrates on the pathogen surface, activating the MASP1 serine protease and initiating the proteolytic cascade of the lectin complement pathway (PubMed: <a href="#">22966085</a> , PubMed: <a href="#">2573758</a> , PubMed: <a href="#">6643429</a> , PubMed: <a href="#">8082295</a> , PubMed: <a href="#">9087411</a> ). Upon SARS coronavirus-2/SARS-CoV-2 infection, activates the complement lectin pathway which leads to the inhibition SARS-CoV-2 infection and a reduction of the induced inflammatory response (PubMed: <a href="#">35102342</a> ). May bind DNA (PubMed: <a href="#">15145932</a> ).

**Cellular Location** Secreted. Cell surface. Note=Specifically binds mannose moiety of carbohydrates on the surface of pathogens.

**Tissue Location** Plasma protein produced mainly in the liver.

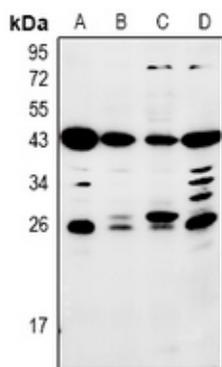
## Background

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KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Mannose Binding Protein. The exact sequence is proprietary.

## Images

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Western blot analysis of Mannose Binding Protein expression in HepG2 (A), AML12 (B), PC12 (C), LO2 (D) whole cell lysates.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.