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Anti-MBL2 / Mannose Binding Protein Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18610

Product Information

Application	WB, IHC-P
Primary Accession	P11226
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	26144

Additional Information

Gene ID	4153
Alias Symbol	MBL2
Other Names	MBL2, Mannan-binding lectin, Mannan-binding protein, MBL2D, MBPD, MBL, Mannose-binding lectin, MBP-C, MBP1, COLEC1, Collectin-1, HSMBPC, Mannose-binding protein C
Target/Specificity	Human MBL2 / Mannose Binding Protein
Reconstitution & Storage	Affinity purified
Precautions	Anti-MBL2 / Mannose Binding Protein Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MBL2 (HGNC:6922)
Function	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:14515269, PubMed:22966085, PubMed:7634089, PubMed:9087411). 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:22966085, PubMed:2573758, PubMed:6643429, PubMed:8082295, PubMed:9087411). 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:35102342). May bind DNA (PubMed:15145932).

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.

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