

Mannose Binding Protein polyclonal antibody

Catalog: BS62399

Host: Rabbit

Reactivity: Human,Rat,Mouse

BackGround:

Mannose-binding lectin protein C (MBL-C), also known as mannose-binding protein C; mannose-binding lectin 2, soluble (opsonic defect); mannan-binding lectin; mannan-binding protein; and soluble mannose-binding lectin, initiates the lectin branch of the innate immune response by binding to the surface of potentially pathogenic microorganisms and initiating complement fixation through an N-terminal collagen-like domain. MBL-C is a key component in immune response due to its ability to directly trigger neutralization of invading microorganisms by an Ab-independent mechanism. It binds to sugars on the surface of bacterial, fungal and parasitic cells through C-terminal, Ca²⁺-dependent carbohydrate-recognition domains. Mutations of human MBL are associated with immunodeficiency resulting from a reduction in the ability of the mutant MBL to initiate complement fixation. In human, two types of MBL-associated serine proteases (MASP-1 and MASP-2) and a truncated form of MASP-2, designated small MBL-associated protein (sMAP) or MAP19, complex with MBL to activate the lectin pathway of the complement system. Activated MASPs subsequently cleave and activate downstream components of the complement pathway.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.4.

Molecular Weight:

~ 26 kDa

Swiss-Prot:

P11226

Purification&Purity:

The protein was purified from E.coli and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1:500~1:1000

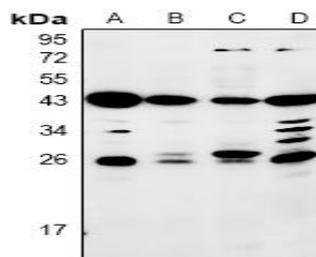
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Mannose Binding Protein polyclonal antibody detects endogenous levels of Mannose Binding protein.

DATA:



Western blot (WB) analysis of Mannose Binding Protein polyclonal antibody at 1:500 dilution

LaneA:HepG2 whole cell lysate

LaneB:Aml-12 whole cell lysate

LaneC:PC12 whole cell lysate

LaneD:L02 whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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