

MASP-1 LC (I449) polyclonal antibody

Catalog: BCP01063

Host: Rabbit

Reactivity: Human

BackGround:

Mannose (or mannan)-binding lectin (MBL), also known as serum mannosebinding protein (MBP), 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 is a key component in immune response in that it can directly trigger neutralization of invading microorganisms by an Ab-independent mechanism. 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, three types of MBL-associated serine proteases, MASP-1, MASP-2 and MASP-3, and a truncated form of MASP-2 (small MBL-associated protein; sMAP or MAp19) complex with MBL to activate the lectin pathway of the complement system. MASP-3 is an alternatively spliced product from the MASP-1 gene. The heavy/A chains are identical between MASP-1 and MASP-3 but the light/B chains are entirely different. Activated MASPs subsequently cleave and activate downstream components of the complement pathway.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 28 kDa

Swiss-Prot:

P48740

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum

by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

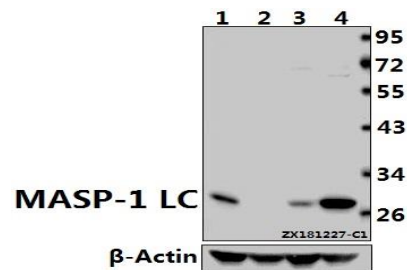
Storage&Stability:

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

Specificity:

MASP-1 LC (I449) polyclonal antibody detects endogenous levels of MASP-1 LC protein.

DATA:



Western blot (WB) analysis of MASP-1 LC (I449) polyclonal antibody at 1:500 dilution

Lane1:H1792 whole cell lysate(40ug)

Lane2:Beas-2B whole cell lysate(40ug)

Lane3:HepG2 whole cell lysate(40ug)

Lane4:L02 whole cell lysate(40ug)

Note:

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