bsm-51535M **[Primary Antibody]**

C3 Mouse mAb

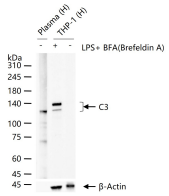
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Mouse
Isotype: IgG1
Clonality: Monoclonal
CloneNo.: B3N11
GeneID: 718
SWISS: P01024
Target: C3
Immunogen: KLH conjugated synthetic peptide derived from human C3: 1301-1400/1663.
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background: The complement factor C3 consists of an alpha and a beta chain. C3 is a central factor in the complement cascade. It is central to the alternative pathway that leads to the C3 convertase C3bBb. The classical mannose binding lectin activation pathway leads to the C3 convertase C4b2a. These convertases cleave C3 resulting in C3a and C3b. Further degradation leads to the formation of the alpha chain products C3d, C3g and C3c. C3 is an acute phase protein that is produced by a wide range of tissues, including renal epithelial cells and hepatocytes.

Applications: **WB** (1:500-2000)
Reactivity: Human
Predicted MW.: 187 kDa
Subcellular Location: Secreted

VALIDATION IMAGES



THP-1 (H) cells were treated with or without LPS (1μg/ml) and BFA(Brefeldin A) (300 ng/ml) for 24 h, 25 μg total protein per lane of cell lysates (see on figure) probed with C3 monoclonal antibody, unconjugated (bsm-51535M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=3.252]** Ganggang Li. et al. Baicalin suppresses neuron autophagy and apoptosis by regulating astrocyte polarization in pentylenetetrazol-induced epileptic rats and PC12 cells. Brain Res. 2022 Jan;1774:147723 WB,IF ;Rat. 34780748