bsm-51528M **[Primary Antibody]**

MX1 Mouse mAb

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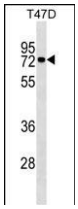
DATASHEET

Host: Mouse
Isotype: IgG1
Clonality: Monoclonal
CloneNo.: C3G6
GeneID: 4599
SWISS: P20591
Target: MX1
Immunogen: KLH conjugated synthetic peptide derived from human MX1: 601-662/662.
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: bs-6653P is one synthetic peptide derived from human MX1. The Dynamin family of microtubule-associated proteins function as GTPases that are involved in microtubule bundling and endocytosis. In mice, Mx2 (myxovirus resistance protein 2) and Mx1 (myxovirus resistance protein 1) are members of the Dynamin family that are involved in the immune response to viral infections. Localized to the cytoplasm, Mx2 contains one GED domain and is expressed in response to viral infection or treatment by IFN-alpha/IFN-beta. Once expression is induced, Mx2 accumulates in the cytoplasm and inhibits the replication of vesicular stomatitis virus (VSV), thereby conferring resistance to VSV infection. Unlike Mx2, Mx1 is localized to the nucleus where, upon induction by IFN-alpha/IFN-beta, it provides selective resistance to infection by the highly lethal H5N1 influenza virus. In humans, MxA and MxB function in a similar manner to Mx1 and Mx2, conferring resistance to specific target viruses. Mx3 is a rat-specific member of the myxovirus resistance protein family.

Applications: **WB** (1:500-1000)
Reactivity: Human (predicted: Pig)
Predicted MW.: 73 kDa
Subcellular Location: Secreted

VALIDATION IMAGES



Sample: Lane 1: T47D cell lysates Primary: Anti-MX1 (bsm-51528M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 73 kD Observed band size: 73 kD