

**Name: Purified MX1 mouse monoclonal antibody, clone 2G12**  
**Product Data Sheet**

**Catalog: TA500357**

Gene Name: Homo sapiens myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse) (MX1), transcript variant 2  
 GeneBank accession: NM\_002462  
 Isotype: IgG1

Reactivity: Human  
 Test application: WB  
 Clone Name: clone 2G12

**Gene Synonym:** IFI-78K; IFI78; MX; MxA

**Validation Data:**

**Guaranteed Applications:** WB, IF

**Western Blot**

**Suggested Dilutions:** WB 1:2000, IF 1:100,

**Immunogen:** Full length human recombinant protein of human MX1 (NP\_002453) produced in HEK293T cell.

**Components:**

- Purified MX1 mouse monoclonal antibody, clone 2G12 (TA500357)
- 1 vial of 20ug myc-DDK tagged MX1 HEK293T over-expression lysate lyophilized in RIPA buffer (LY400886) (Reconstitute into 20ul of 1x SDS sample buffer before loading)

**Amount:**

TA500357-100 100 uL

**Concentration:** 0.5~1.0 mg/ml (Lot Dependent)

**Storage Condition:** Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

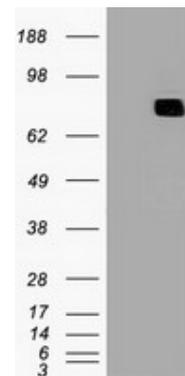
**Buffer:** PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

**Purification:**

Purified from mouse ascites fluids by affinity chromatography

**Background:**

In mouse, the interferon-inducible Mx protein is responsible for a specific antiviral state against influenza virus infection. The protein encoded by this gene is similar to the mouse protein as determined by its antigenic relatedness, induction conditions, physicochemical properties, and amino acid analysis. This cytoplasmic protein is a member of both the dynamin family and the family of large GTPases. Two transcript variants encoding the same protein have been found for this gene.



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MX1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MX1.

**Related Product:**

TrueORF cDNA clones  
 VERIFY Tagged Antigen lysates  
 HuSH-29 shRNA  
 Western Blot reagents  
 Anti-myc/DDK tag antibodies

\* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

**This product is to be used for laboratory only. Not for diagnostic or therapeutic use.**

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