MX1 / MX dynamin like GTPase 1 Antibody

Mouse Monoclonal Antibody [Clone MX1/7527]

Catalog No	Format	Size
4599-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4599-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4599-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

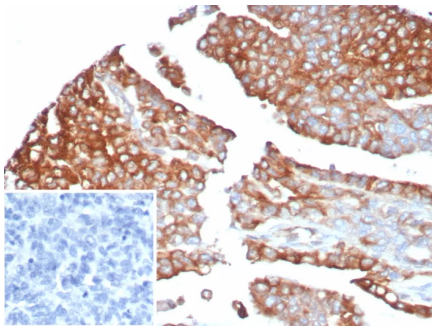
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

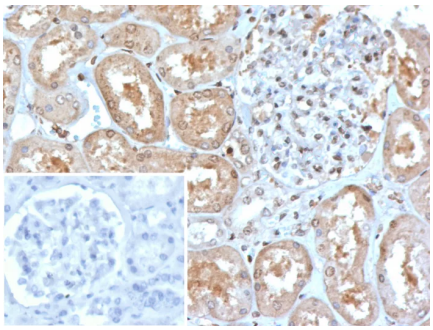
Clone	MX1/7527
Gene Name	MX1
Immunogen	Recombinant fragment (around aa400-592) of human MX1 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	72kDa
Cellular Localization	Cytoplasm.
Species Reactivity	Human
Positive Control	breast cancer or colon cancer tissues.|Human spleen|Tonsil

**Optimal dilution for a specific application should be determined.*

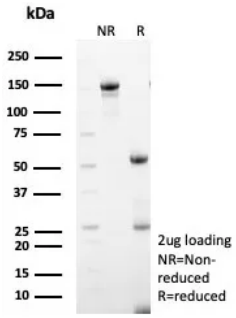
Product Images for MX1 / MX dynamin like GTPase 1 Antibody



IHC analysis of formalin-fixed, paraffin-embedded human ovarian cancer. MX1 Mouse Monoclonal Antibody (MX1/7527). Inset: PBS instead of primary antibody; secondary only negative control.



IHC analysis of formalin-fixed, paraffin-embedded human kidney. MX1 Mouse Monoclonal Antibody (MX1/7527). Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis Purified MX1 Mouse Monoclonal Antibody (MX1/7527). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

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-a/IFN-b. 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-a/IFN-b, 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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immunology, Cytokine Signaling, Nuclear Marker

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.