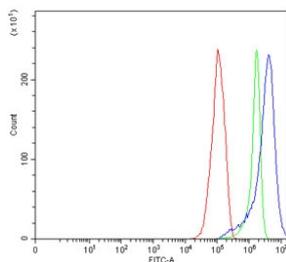


MX1 Antibody / Myxovirus resistance protein 1 / MxA (RQ7191)

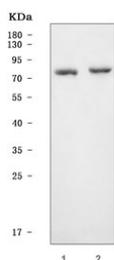
Catalog No.	Formulation	Size
RQ7191	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P20591
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This MX1 antibody is available for research use only.



Flow cytometry testing of human RT4 cells with MX1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MX1 antibody.



Western blot testing of 1) human HeLa and 2) mouse lung tissue lysate with MX1 antibody. Predicted molecular weight ~76 kDa.

Description

Interferon-induced GTP-binding protein Mx1, also called Myxovirus resistance protein 1, Myxoma resistance protein 1 and MxA, is a protein that in humans is encoded by the MX1 gene. This gene encodes a guanosine triphosphate (GTP)-metabolizing protein that participates in the cellular antiviral response. The encoded protein is induced by type I and type II interferons and antagonizes the replication process of several different RNA and DNA viruses. There is a related gene located adjacent to this gene on chromosome 21, and there are multiple pseudogenes located in a cluster on chromosome 4. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the MX1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids K435-Q621) was used as the immunogen for the MX1 antibody.

Storage

After reconstitution, the MX1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.