abcam

Product datasheet

Anti-Influenza A Virus Nucleoprotein antibody [F8] ab67428

1 References

Overview

Product name	Anti-Influenza A Virus Nucleoprotein antibody [F8]
Description	Mouse monoclonal [F8] to Influenza A Virus Nucleoprotein
Host species	Mouse
Specificity	ab67428 recognises influenza virus type A nucleoprotein. The antibody binds to a conserved epitope on the nucleoprotein that is common for influenza A (H1N1), (H3N3) and other influenza A viruses. It does not cross react with influenza virus type B.
Tested applications	**Suitable for:** ELISA, IHC-Fr
Species reactivity	**Reacts with:** Influenza A
Immunogen	Tissue, cells or virus corresponding to Influenza A Virus Nucleoprotein. Purified influenza virus type A (H1N1)
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	F8
Myeloma	Sp2/0

Isotype IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab67428 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.

Target

Relevance The nucleoprotein (NP) of Influenza virus encapsulates the negative strand of the viral RNA and is essential for replicative transcription. It may also be involved in other essential functions throughout the virus life cycle. As well as binding ssRNA, NP is able to self associate to form large oligomeric complexes. NP is able to interact with a variety of other macromolecules of both viral and cellular origins. It binds the PB1 and PB2 subunits of the polymerase and the matrix protein M1. "NP has also been shown to interact with at least four cellular polypeptide families: nuclear import receptors of the importin class, filamentous (F) actin, the nuclear export receptor CRM1 and a DEAD box helicase BAT1/UAP56" (Portela et al 2002).

Cellular localization Host cell nucleus

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