Product datasheet

Anti-Influenza A Virus Nucleoprotein antibody [9G8] ab43821

2 References

Overview

Product name  Anti-Influenza A Virus Nucleoprotein antibody [9G8]
Description  Mouse monoclonal [9G8] to Influenza A Virus Nucleoprotein
Host species  Mouse
Specificity  Recognizes Nucleoprotein of Influenza A virus group specific antigen (H0N1, H1N1, H2N2 and H3N2).
Tested applications  Suitable for: ELISA, WB, ICC/IF
Species reactivity  Influenza A. No cross-reactivity with influenza B or with other respiratory viruses.
Immunogen  Recombinant full length protein corresponding to Influenza A Virus Nucleoprotein.

Properties

Form  Liquid
Storage instructions  Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer  Constituents: 0.75% Glycine, 1.21% Tris, 2% Sucrose
Purity  Protein A purified
Clonality  Monoclonal
Clone number  9G8
Isotype  IgG2a
Light chain type  kappa

Applications

Our Abpromise guarantee covers the use of ab43821 in the following tested applications.

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

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>ELISA</td>
<td></td>
<td>1/2000 - 1/10000.</td>
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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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<td>WB</td>
<td>1/200 - 1/1000.</td>
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<tr>
<td>ICC/IF</td>
<td>1/100 - 1/500. On infected cells</td>
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