**Overview**

**Product name**  
Anti-Influenza A Virus Hemagglutinin antibody [C102]

**Description**  
Mouse monoclonal [C102] to Influenza A Virus Hemagglutinin

**Host species**  
Mouse

**Specificity**  
This antibody reacts with haemagglutinin of H1N1 serotype. We have tested the antibody with following strains:  
- A/Beijing/262/95 - positive  
- A/Leningrad/325/88 - negative  
- A/New Caledonia/20/99 - positive  
- A/Taiwan/1/86 - positive  
- A/Kiev/301/94 - negative  
- A/Panama/2007/99 - negative  
- A/Shangdong/9/93 - negative  
- A/Texas/1/77 - positive  
- B/Leningrad/86/93 - negative  
- B/Qingdao/102/91 - negative

**Tested applications**  
**Suitable for:** Inhibition Assay, ICC/IF, IHC-Fr, ELISA

**Immunogen**  
BALB/c mice immunised with purified influenza virus type A strain H1N1 (strain A/Kazakhstan/Seagull/470).

**General notes**  
This antibody is directed against influenza virus type A, (haemagglutinin).

Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause. We would recommend antibody ab119966 as a replacement.

**Properties**

**Form**  
Liquid

**Storage instructions**  
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**Storage buffer**  
PBS with 0.1% sodium azide, pH 7.4

**Purity**  
Protein G purified

**Purification notes**  
This antibody is affinity purified.

**Primary antibody notes**  
This antibody is directed against influenza virus type A, (haemagglutinin).

**Clonality**  
Monoclonal

**Clone number**  
C102

**Myeloma**  
Sp2/0

**Isotype**  
IgG1
Light chain type

unknown

Applications

Our Abpromise guarantee covers the use of ab8262 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
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<td>Inhibition Assay</td>
<td>Use at an assay dependent concentration. Also can be used for serotyping of influenza virus type A and haemagglutinin inhibition.</td>
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<tr>
<td>ICC/IF</td>
<td>Use at an assay dependent concentration.</td>
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<td>IHC-Fr</td>
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<tr>
<td>ELISA</td>
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Target

Relevance

Influenza A virus is a major public health threat. Novel influenza virus strains caused by genetic drift and viral recombination emerge periodically to which humans have little or no immunity, resulting in devastating pandemics. Influenza A can exist in a variety of animals; however it is in birds that all subtypes can be found. These subtypes are classified based on the combination of the virus coat glycoproteins hemagglutinin (HA) and neuraminidase (NA) subtypes. During 1997, an H5N1 avian influenza virus was determined to be the cause of death in 6 of 18 infected patients in Hong Kong. There was some evidence of human to human spread of this virus, but it is thought that the transmission efficiency was fairly low. HA interacts with cell surface proteins containing oligosaccharides with terminal sialyl residues. Virus isolated from a human infected with the H5N1 strain in 1997 could bind to oligosaccharides from human as well as avian sources, indicating its species jumping ability. Influenza A Virus Hemagglutinin antibodies recognize the influenza hemagglutinin epitope, which has been used extensively as a general epitope tag in expression vectors. The extreme specificity of this antibody allows for unambiguous identification and quantitative analysis of the tagged protein.

Cellular localization

Apical cell membrane; Single-pass type I membrane protein. Note=Targeted to the apical plasma membrane in epithelial polarized cells through a signal present in the transmembrane domain. Associated with glycosphingolipid- and cholesterol-enriched detergent-resistant lipid rafts.

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