Influenza H5N1 Hemagglutinin / HA
Neutralizing Antibody

Catalog Number: 68031-H011

<table>
<thead>
<tr>
<th>General Information</th>
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<tbody>
<tr>
<td>Clone ID: H011</td>
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<tr>
<td>Ig Type: Human IgG1</td>
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<tr>
<td>Applications: Hemagglutinin Inhibition (HI), Microneutralization (MN)</td>
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<tr>
<td>Formulation: 0.2 μm filtered solution in Histidine and Arginine buffer containing 120mM NaCl, 0.02% Tween 80, pH6.0</td>
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<tr>
<td>Storage: &lt; -20℃</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Character</th>
<th>Method</th>
<th>Result</th>
</tr>
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<tbody>
<tr>
<td>Specificity</td>
<td>ELISA</td>
<td>Influenza H5N1 Hemagglutinin / HA</td>
</tr>
<tr>
<td>Antibody concentration</td>
<td>UV</td>
<td>&gt; 1 mg/mL</td>
</tr>
<tr>
<td>Aggregation</td>
<td>SEC-HPLC</td>
<td>&lt; 5% aggregation</td>
</tr>
<tr>
<td>Purity</td>
<td>SDS-PAGE</td>
<td>&gt; 95%</td>
</tr>
<tr>
<td>Endotoxin</td>
<td>LAL gel clotting</td>
<td>&lt; 3 EU/mg</td>
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**Specificity**

Has cross-reactivity in ELISA with:
- H5N1 (A/Hubei/1/2010) HA (Catalog#40060-V08H1)
- H5N1 (A/Xinjiang/1/2006) HA1 (Catalog#40004-V08H1)
- H5N1 (A/Xinjiang/1/2006) HA (Catalog#40004-V08H1)
- H5N1 (A/bar-headed goose/Ginghai/1A/2005) HA (Catalog#40117-V08B)
- H5N1 (A/Anhui/1/2005) HA (Catalog#11048-V08B)
- H5N1 (A/Cambodia/S1211394/2008) HA (Catalog#40026-V08H)
- H5N1 (A/Duck/Hong Kong/p46/97) HA (Catalog#40001-V08H)
- H5N1 (A/Hong kong/213/2003) HA (28 Ser/Trp) (Catalog#11171-V08H)
- H5N1 (A/chicken/India/NIV33487/06) HA (Catalog#11712-V08H)
- H5N1 (A/Cambodia/R0405050/2007) HA (Catalog#11710-V08H)
- H5N1 (A/whopper swan/Mongolia/244/2005) HA (Catalog#11709-V08H)
- H5N1 (A/Egypt/N05056/2009) HA (Catalog#11702-V08H)
- H5N1 (A/Common magpie/Hong Kong/2256/2006) HA (Catalog#117170-V08H)
- H5N1 (A/duck/Hunan/795/2002) HA (Catalog#11698-V08H)
- H5N1 (A/Egypt/2321-NAMRU3/2007) HA (Catalog#11697-V08H)
- H5N1 (A/Japanese white-eye/Hong Kong/1038/2006) HA (Catalog#11694-V08H)
- H5N1 (A/goose/Guillyang/337/2006) HA (Catalog#11690-V08H)
- H5N1 (A/Hong Kong/483/97) HA (Catalog#11689-V08H)
- H5N1 (A/hubel/1/2010) HA1 (Catalog#40060-V08H1)
- H5N2 (A/American green-winged teal/California/HKWF609/2007) HA (Catalog#11699-V08H)
- H5N3 (A/duck/Hokkaido/167/2007) HA (Catalog#11696-V08H)
- H5N8 (A/duck/NY/191255-59/2002) HA (Catalog#11717-V08H)
- H5N1 (A/turkey/Turkey/1/2005) HA (Catalog#11061-V08H1)
- H5N1 (A/Indonesia/5/2005) HA (Catalog#11060-V08H)
- H5N1 (A/Anhui/1/2005) HA (Catalog#11048-V08H1)

**Storage**

This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. **Preservative-Free.** Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. **Avoid repeated freeze-thaw cycles.**

**Applications**

**Hemagglutinin Inhibition (HI)** – This H5N1 HA protein neutralizing antibody can inhibit the hemagglutinin activity of recombinant H5N1 HA protein, the HI titer is 0.05-0.2 μg/mL. When 1 unit of protein added.

**Microneutralization (MN)** – The influenza A H5N1 HA protein Neutralizing antibody can effectively neutralize the H5N1 pseudotype virus which contain HIV backbone and H5N1 HA protein from infecting 293FT cell. The pseudovirus microneutralization (MN) test was performed on 293FT cells infected with H5N1 (A/Vietnam/1194/2004) pseudovirus under the treatment of serial dilution of neutralizing antibody. Percentage of inhibition is 100% with 1 μg/mL influenza A H5N1 HA neutralizing Antibody incubated with high titer of H5N1 pseudotype virus.