**GENERAL INFORMATION**

**Immunogen:** Recombinant H1N1 HA protein

**Preparation:** This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Influenza A virus H1N1 hemagglutinin (HA) extracellular domain. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.

**Ig Type:** Mouse IgG2b

**Clone ID:** 9G1G8

**Specificity:**
- H1N1 (A/California/04/2009) HA
- H1N1 (A/California/07/2009) HA
- Has cross-reactivity in ELISA with H1N2 (A/swine/Guangxi/13/2006) HA
- H1N3 (A/duck/NZL/160/1976) HA
- H5N1 (A/Anhui/1/2005) HA
- H5N1 (A/Viet nam/1194/2004) HA
- H5N1 (A/Indonesia/5/2005) HA
- H5N1 (A/turkey/Turkey/1/2005) HA
- H5N1 (A/bar-headed goose/Qinghai/14/2008) HA
- No cross-reactivity in ELISA with H1N1 (A/Brisbane/59/2007) HA
- H1N1 (A/BrevigMission/1/1918) HA
- H1N1 (A/Solomon Islands/3/2006) HA
- H1N1 (A/Ohio/UR06-0091/2007) HA
- H1N1 (A/New Caledonia/20/1999) HA
- H1N1 (A/Puerto Rico/8/1934) HA
- H1N1 (A/WSN/1933) HA
- H3N2 (A/Brisbane/10/2007) HA
- Influenza B (B/Florida/4/2006) HA

**Formulation:** 0.2 μm filtered solution in PBS

**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**

**Applications:** WB, ELISA, IHC-P, FCM, ICC/IF, IP

(Antibody's applications have not been validated with corresponding viruses. Optimal concentrations/dilutions should be determined by the end user.)

**RECOMMENDED CONCENTRATION**

**Flow Cytometry**

FCM: 1:25-1:100

**Western Blot**

This antibody can be used at 1:500-1:1000 with the appropriate secondary reagents to detect H1N1 HA in WB.

**ELISA**

ELISA: 1:1000-1:2000

This antibody can be used at 1:1000-1:2000 with the appropriate secondary reagents to detect H1N1 HA.

*Please Note: Optimal concentrations/dilutions should be determined by the end user.*
High Five cells were infected by Bac-HA, cells were collected at 48 hours postinfection, and the cell surface expression of HA were measured by flow cytometry. 10^6 Cells were stained with 1 μg Purified Mouse Anti-H1N1-HA (11055-MM08) antibody for 20 min on ice. Cells were washed twice and incubated with 1 μg of a FITC Goat Anti-Mouse Ig secondary antibody for 20 min on ice. Cells were washed twice and analyzed by flow cytometry.

Flow cytometry was performed on a BD FACSCalibur flow cytometry system. Please refer to www.sinobiological.com/Flow-Cytometry-FACS-Protocols-a-750.html for technical protocols.