

**Monoclonal Anti-Influenza A Virus H7 Hemagglutinin (HA), A/Shanghai/1/2013 (H7N9) Clone 1H10 (produced *in vitro*)**

**Catalog No. NR-51194**

This reagent is the tangible property of the U.S. Government.

**For research use only. Not for human use.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Antibody Class: IgG2ak

Mouse monoclonal antibody prepared against hemagglutinin from influenza virus, A/Shanghai/1/2013 (H7N9) was purified from hybridoma supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of Sp2/0 myeloma cells with splenocytes from BALB/c mice electroporated in the calf muscle with a plasmid expressing hemagglutinin from influenza virus, A/Shanghai/1/2013 (H7N9).<sup>1,2</sup>

**Material Provided:**

Each vial of NR-51194 contains approximately 100 µL of purified monoclonal antibody in PBS. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

**Packaging/Storage:**

NR-51194 was packaged aseptically in screw-capped plastic vials and is provided frozen on dry ice. The product should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

**Functional Activity:**

NR-51194 is specific to the H7 HA of influenza virus as determined by ELISA.<sup>2</sup>

Applications: Western blot analysis, immunofluorescence, ELISA, hemagglutination inhibition, flow cytometry and neutralization.<sup>1,2</sup>

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Influenza A Virus H7 Hemagglutinin (HA), A/Shanghai/1/2013 (H7N9) Clone 1H10 (produced *in vitro*), NR-51194.”

**Biosafety Level: 1**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services,

Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmb15/index.htm](http://www.cdc.gov/biosafety/publications/bmb15/index.htm).

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**References:**

1. Krammer, F., et al., Personal Communication.
2. Tan, G. S., et al. “Broadly-Reactive Neutralizing and Non-Neutralizing Antibodies Directed Against the H7 Influenza Virus Hemagglutinin Reveal Divergent Mechanisms of Protection.” PLoS Pathog. 12 (2016): e1005578. PubMed: 27081859.

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