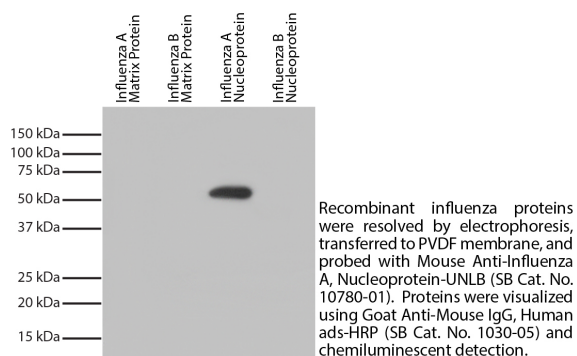




## Mouse Anti-Influenza A, Nucleoprotein

Cat. No.	Format	Size
10780-01	Purified (UNLB)	0.5 mg
10780-05	Horseradish Peroxidase (HRP)	1.0 mL



### Overview

<b>Clone</b>	FluA-NP 4F1
<b>Isotype</b>	Mouse (BALB/c) IgG <sub>1</sub> κ
<b>Immunogen</b>	Recombinant influenza virus type A nucleoprotein
<b>Specificity</b>	Influenza virus type A nucleoprotein
<b>Alternate Name(s)</b>	NP

### Description

Influenza virus type A nucleoprotein, also known as NP, is composed of a 498 amino acid sequence and is type-specific in influenza viruses. The NP encapsulates the virus genome to form a ribonucleoprotein (RNP) particle for the purposes of transcription and packaging. The monoclonal antibody FluA-NP 4F1 has been shown to specifically recognize type A influenza virus NP in virus infected cell culture and patient samples. This clone can be paired as a detection antibody for ELISA with clone FluA-NP 2C9 (SB Cat. No. 10770-01).

### Applications

ELISA – Quality tested  
 ICC – Reported in literature<sup>1-4,6,7</sup>  
 WB – Reported in literature<sup>2,4,5</sup>

### Working Dilutions

<b>ELISA</b>	HRP conjugate	1:2,000 – 1:8,000
<b>Immunoblotting</b>	Purified (UNLB) antibody	≤ 1 µg/mL
	HRP conjugate	1:2,000 – 1:8,000
<b>Other Applications</b>	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

**For Research Use Only. Not for Diagnostic or Therapeutic Use.**

## Handling and Storage

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- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- Reagents are stable for the period shown on the label if stored as directed.

## References

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6. Farooqui A, Leon AJ, Lei Y, Wang P, Huang J, Tenorio R, et al. Heterogeneous virulence of pandemic 2009 influenza H1N1 virus in mice. *Virology*. 2012;9:104. (ICC)
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