Mouse Anti-Influenza A, Nucleoprotein

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>10780-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>10780-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
</tr>
</tbody>
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Overview

Clone         FluA-NP 4F1
Isotype       Mouse (BALB/c) IgG1
Immunogen     Recombinant influenza virus type A nucleoprotein
Specificity   Influenza virus type A nucleoprotein
Alternate Name(s) 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 1-4
WB – Reported in literature 2,4,5

Working Dilutions

<table>
<thead>
<tr>
<th>ELISA</th>
<th>HRP conjugate</th>
<th>1:2,000 – 1:8,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immunoblotting</td>
<td>Purified (UNLB) antibody</td>
<td>≤ 1 µg/mL</td>
</tr>
<tr>
<td></td>
<td>HRP conjugate</td>
<td>1:2,000 – 1:8,000</td>
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Other Applications

Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.
Handling and Storage

- 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 of stock solution in 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