Mouse Anti-Influenza A, Matrix Protein

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>10730-01</td>
<td>Purified (UNLB)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>10730-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
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</tbody>
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**Overview**

**Clone**  FluAc  
**Isotype**  Mouse (BALB/c) IgG2b  
**Immunogen**  Recombinant influenza virus type A matrix protein  
**Specificity**  Influenza virus type A matrix protein  
**Alternate Name(s)**  M1

**Description**

Influenza virus type A matrix protein, also known as M1, is composed of a 252 amino acid sequence and is type-specific in influenza viruses. It is located inside the viral lipid envelope and plays a key role in virus assembly and replication. M1 can be isolated from particles by removing the envelope with detergents and reducing the pH to 4.0. The monoclonal antibody FluAc has been shown to specifically recognize type A influenza virus M1 in virus infected cell culture.

**Applications**

- ELISA – Quality tested
- ICC
- WB – Reported in literature

**Working Dilutions**

- **ELISA**
  - Purified (UNLB) antibody ≤ 5 µg/mL
  - HRP conjugate 1:1,000 – 1:2,000

**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 0.1 mg of purified immunoglobulin in 0.2 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

4. SouthernBiotech published data (ICC)