RayBiotech, Inc.
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Certificate of Analysis and Data Sheet

Mouse Anti-Influenza A (Matrix)

Catalog No.	**Host Animal:**	**Isotype:**
MD-14-0892	Mouse	IgG1

Description: Monoclonal Antibody to Influenza A (Matrix protein)

Specificity: Recognizes the Influenza A matrix protein.

Host Animal: Mouse. Hybridization of P3 Ag8.653 myeloma cells with spleen cells from BALB/c mice.

Source: Tissue culture

Immunogen: Influenza A/Puerto Rico/8/34(H1N1) and A/Bangkok/1/79 (H3N2) viruses

Format: Purified, Liquid

Purification: >90% pure (SDS-PAGE). Protein A chromatography

Concentration: 1mg/ml (OD280nm)

Affinity Constant: Not determined

Buffer: PBS, pH 7.5

Preservative: 0.09% Sodium azide

Applications: Suitable for use in Western blotting and Indirect immunofluorescence (1:100). Prepare working dilution only prior to immediate use. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Short-term (up to 2 weeks) store at 2–8°C. Long term store at -20°C. Avoid multiple freeze/thaw cycles.

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References:

The references listed below are for research purposes only.

1. Chiang, C., et al., (2008), "Mutation of Alternative 5' splice sites of M1 mRNA negatively affect Influenza A Virus viability and growth rate", Journal of Virology, **82**(21): 10873-10886
2. Hui, E.K.W., et al., (2006), "Mutations in Influenza Virus M1 CCHH, the Putative Zinc Finger Motif, Cause Attenuation in Mice and Protect Mice against Lethal Influenza Virus Infection", Journal of Virology, **80**(12): 5697-5707
3. Latham, T., et al., (2001), "Formation of wild-type and chimeric influenza virus-like particles following simultaneous expression of only four structural proteins", J. Virol., **75** (13): 6154–6165.