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## CERTIFICATE OF ANALYSIS

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** B65248G **Lot #:** 21L33817

**Description:** Goat anti Influenza A M1  
Goat Antibody to Influenza A Virus, Matrix Protein M1  
Horseradish Peroxidase Conjugated

**Specificity:** Influenza A matrix protein (M1). Recognizes the M1 protein for any strain of Influenza A. Conservation of the matrix protein sequence between hemagglutinin/Neuraminidase typed strains. Does not react with the M2 matrix protein. Does not react with HEp-2 cells by indirect immunofluorescence. Does not react with Influenza B, Adenovirus, Respiratory syncytial virus and Parainfluenza viruses (1–3).

**Host Animal:** Goat

**Immunogen:** Purified M1 protein, Influenza A-Phillipines (H3N2).

**Format:** HRP, Liquid

**Purification:** Purified IgG fraction of antiserum covalently coupled to a highly purified preparation of horseradish peroxidase (RZ > 3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is removed.

**Concentration:** 1–2 mg/mL (OD280nm,  $E^{0.1\%} = 1.4$ )

**Buffer:** 0.01 M Phosphate Buffered Saline, pH 7.2 containing 10 mg/mL BSA.

**Preservative:** 0.002% Thimerosal

**Applications:** Suitable for use in Immunocytochemistry and ELISA. Not recommended for use in IHC. 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 6 months) store at 2–8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

**Safety Note(s):** Refer to appropriate Safety Data Sheet (SDS) for additional information.

**References:** The references listed below are for research purposes only:

1. Hui, Eric Ka-Wai, et al., (2003), "Conserved cysteine and histidine residues in the putative zinc finger motif of the influenza A virus M1 protein are not critical for influenza virus replication", Journal of General Virology, **84**, 3105–3113.
2. Hui, Eric Ka-Wai, et al., (2004), "Inhibition of influenza virus matrix (M1) protein expression and virus replication by U6 promoter-driven and lentivirus-mediated delivery of siRNA", Journal of General Virology, **85**, 1877–1884.

*Brenda Dunn*

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**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**