RayBiotech, Inc.
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Certificate of Analysis and DataSheet

Goat Anti-Influenza A M1: Biotin

Catalog No.	**Isotype**
MD-14-0727	N/A

Description:
Goat Antibody to Influenza A Virus, Matrix protein M1, Biotin 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:
Biotin, Liquid

Purification:
Purified IgG fraction of the antiserum covalently coupled with the N-Hydroxysuccinimide ester of biotin under mild conditions to give a high degree of substitution.

Concentration:
4–5 mg/ml (OD280nm, E0.1% = 1.4)

Buffer:
0.01M PBS, pH 7.2
Product contains no stabilizing proteins

Preservative:
0.1% Sodium azide

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Applications:

Suitable for use with avidin and streptavidin amplification systems for ELISA and IFA.
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) at 2–8°C. Long term, aliquot and store at -20°C.
Avoid multiple freeze/thaw cycles.

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.