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Datasheet for 600-401-Z02

# Avian Influenza A H7N9 Hemagglutinin Antibody

## Overview

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| **Description:** | Anti-Avian Influenza A H7N9 Hemagglutinin (RABBIT) Antibody - 600-401-Z02 |
| **Item No.:** | 600-401-Z02 |
| **Size:** | 100 µg |
| **Applications:** | ELISA |
| **Reactivity:** | Virus |
| **Host Species:** | Rabbit |

## Product Details

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| **Background:** | Influenza A virus is a major public health threat, killing more than 30,000 people per year in the USA (1). Novel influenza virus strains caused by genetic drift and viral recombination emerge periodically to which humans have little or no immunity, resulting in devastating pandemics. Influenza A can exist in a variety of animals; however it is in birds that all subtypes can be found (2). These subtypes are classified based on the combination of the virus coat glycoproteins hemagglutinin (HA) and neuraminidase (NA) subtypes. H7N9 bird flu is the newest atypical influenza virus infection that has just been reported since early 2013. The emergence of this new strain occurred in China and has become the present focus for possible worldwide pandemic (3). |
| **Synonyms:** | Avian Influenza A H7N9 Hemagglutinin Antibody, |
| **Host Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Gene Name:** | HA |
| **Reactivity:** | Virus |
| **Immunogen Type:** | Conjugated Peptide |

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| **Immunogen:** | Anti-Avian Influenza A H7N9 Hemagglutinin antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to 19 amino acids near the internal region of the H7N9 [Influenza A virus (A/Shanghai/02/2013(H7N9))] hemagglutinin protein. This peptide is strongly conserved or identical in the majority of H7N9 hemagglutinins. |
| **Purity/Specificity:** | Anti-Avian Influenza A H7N9 Hemagglutinin antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. virus |
| **Relevant Links:** | • UniProtKB - R4NN21<br>• NCBI - AGL44438 |

## Application Details

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| **Tested Applications:** | ELISA |
| **Application Note:** | Anti-Avian Influenza A H7N9 Hemagglutinin Antibody has been tested for use in ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 62 kDa in Western Blots of specific cell lysates and tissues. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **ELISA:** | User Optimized |

## Formulation

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| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 1.0 mg/ml by UV absorbance at 280 nm |
| **Buffer:** | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| **Preservative:** | 0.02% (w/v) Sodium Azide |
| **Stabilizer:** | None |

## Shipping & Handling

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| **Shipping Condition:** | Dry Ice |
| **Storage Condition:** | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| **Expiration:** | Expiration date is one (1) year from date of receipt. |

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## Disclaimer

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