

Certificate of Analysis for NR-18931

Polyclonal Anti-Influenza Virus H5 Hemagglutinin (HA), A/duck/Laos/3295/2006 (H5N1) (antiserum, Goat)

Catalog No. NR-18931

This reagent is the property of the U.S. Government.

Product Description: Antiserum to the H5 hemagglutinin (HA) from influenza virus was produced by immunization of a goat with baculovirus-expressed H5 HA protein from A/duck/Laos/3295/2006 (H5N1).

Lot: 59137401 Manufacturing Date: 06OCT2009

| TEST | SPECIFICATIONS | RESULTS |
|--|---------------------------|---------------------------|
| Functional Activity | | |
| Hemagglutinin inhibition (HI) titer | | |
| Clade 2.3.4 | Report results | 1:160 |
| A/duck/Laos/3295/2006 (H5N1) | | |
| HI assay with antigens representing 16 HA subtypes | Specific to H5 HA subtype | Specific to H5 HA subtype |
| HI titers with H5 HA influenza viruses | | |
| Clade 1 | | |
| rg A/Vietnam/1203/2004 (H5N1) | Report results | 1:160 |
| Clade 2.1 | | |
| A/duck/Hunan/795/2002 (H5N1) | Report results | 1:80 |
| Clade 2.2 | | |
| rg A/whooper swan/Mongolia/244/2005 (H5N1) | Report results | 1:320 |
| rg A/bar-headed goose/Qinghai/1A/2005 (H5N1) | Report results | 1:160 |
| Clade 2.3.4 | | |
| rg A/Anhui/1/2005 (H5N1) | Report results | 1:640 |
| rg A/Japanese white eye/Hong Kong/1038/2006 (H5N1) | Report results | 1:640 |
| Clade 4 | | |
| A/goose/Guiyang/337/2006 (H5N1) | Report results | 1:80 |
| Sterility | Report results | Low bioburden |

Date: 24 JAN 2014 Signature: Milhard Q. Cymrlic

Title: Technical Manager, BEI Authentication or designee

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