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Certificate of Analysis and Data Sheet

Recombinant Hemagglutinin-Influenza A Virus H5N1 Indonesia 05/2005

Catalog No.
228-10957

Source
Baculovirus Insect Cells

Introduction

Influenza A virus subtype H5N1 is a subtype of the Influenza A virus. Subtype H5N1 is commonly known as avian influenza or bird flu. H5N1 may cause more than one influenza pandemic as it is expected to continue mutating in birds. The dominant strain of HPAI A (H5N1) evolved creating the Z genotype. It has also been called Asian lineage HPAI/A/H5N1 which is divided into 2 antigenic clades. Clade 1 includes human and bird isolates from Vietnam, Thailand, and Cambodia and bird isolates from Laos and Malaysia. Clade 2 viruses were first identified in bird isolates from China, Indonesia, Japan, and South Korea before spreading westward to the Middle East, Europe, and Africa.

Description

Recombinant Full-Length H5N1 A/Indonesia/05/2005 is glycosylated with N-linked sugars, produced using baculovirus vectors in insect cells and contains 6x His tag.

Physical Appearance

Sterile Filtered colorless clear solution.

Formulation

The Recombinant H5N1 A/Indonesia/05/2005 solution contains 10mM Sodium phosphate, pH 7.2, 150mM NaCl and 0.005% Tween-20.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Immunological Activity

Western-Blot 0.1µg -1µg per strip, ELISA 1µg/Well.

Stability/Storage

H5N1 A/Indonesia/05/2005 Recombinant should be stored at 4°C.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**