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Antibody to Influenza-A Hemagglutinin H5N1
MOUSE MONOCLONAL

Catalog Number: PRP-216ANT
Quantity: 10 micrograms, 50 micrograms, 1 milligram
Format: PBS, pH 7.4 and 0.1 % NaN₃
Host: *Mouse*
Isotype: IgG1
Clone: IA-H5N1
Immunogen: Purified avian influenza virus type A H5N1

Background:

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.

Specificity and Preparation:

Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with purified avian influenza virus type A H5N1. The antibody was purified over a Protein-A column.

Usage and Storage:

Reported to be effective for immunodetection in direct or indirect ELISA and immunoblotting (western blot). Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. This antibody is stable for two years stored at 4°C. This material is provided for LABORATORY RESEARCH USE ONLY.

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