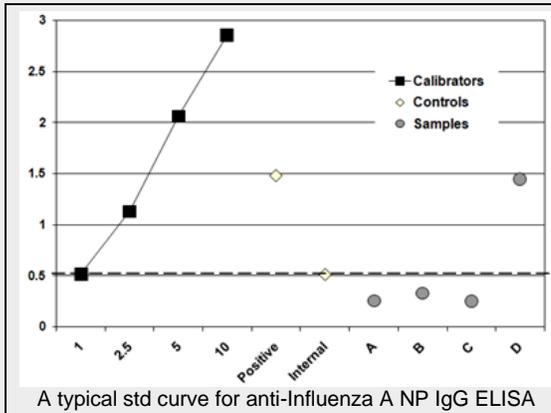


## Human Anti-Influenza Virus A Nucleoprotein (NP/H1N1) IgG ELISA Kit # 920-360-HNG

Human Anti-Influenza A nucleoprotein (NP/H1N1) IgG ELISA is an indirect ELISA for the detection and measurement of human IgG in serum, plasma or other biological fluids. The kit is designed to assess the antibody status in vaccinated or non-vaccinated samples or to assess the efficacy of vaccines and/or formulations. This kit is for research use only (RUO), and not meant for diagnostic, cure or prevention of the disease. The antigens used are highly purified recombinant NP expressed and purified from HEK cell. The kit has no virus or virus-derived proteins.



### Human Anti-Influenza A NP IgG ELISA Kit Features

- Recombinant Purified influenza A NP-coated, stabilized, 96-well strip plate
- Ready to use calibrators (1-10 U/ml). A Positive control for QC
- 100ul samples (diluted 1:100 or more)
- 110 min, 3 incubation step at room temp (25-28oC)
- Sensitivity <0.5 U/ml;

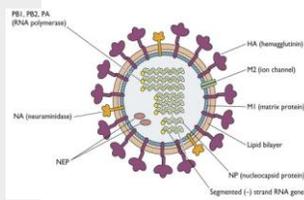
This kit detects IgG class of NP antibodies. ADI has separate kits to detect IgM or IgA class of antibodies. For in vitro research use only (RUO).

### Assay Procedure: Allow all reagents to reach room temperature. Arrange required number of strips on the plate.

- Step 1. Add 100 µl of pre-diluted standards, controls and samples (diluted) into respective wells. Mix gently and incubate at room temp for 60 mins at 25-28oC.
- Step 2. Aspirate and wash 3X with 1X wash buffer. Add 100 ul of 1X HRP conjugate into all wells; mix gently and incubate at RT for 30 mins. **Note:** It is possible to use incubation without the shaker but the range may be less and it can be compensated by increasing time to 60 mins if desired.
- Step 3. Aspirate and wash 4X with 1X wash buffer. Tap plates over paper towels. Add 100 ul of TMB Substrate. Mix gently and incubate for 20 min at RT on an orbital shaker. Blue color develops in positive wells. Note: It is possible to incubate for 20 mins +5 mins so as to get maximum color A450=2.5-3.00 (within the linear range of the ELISA reader).
- Step 4. Add 100 ul of stop solution into each well and mix gently (blue color turns yellow). Measure yellow color at 450 nm. Standard range is plotted and the sample values are calculated from the standard curve.

**Results:** Antibody concentration in samples is calculated from the standards curve.

### General Information



**Influenza A virus** causes influenza in birds and some mammals, and is the only species of influenza virus A. Occasionally, viruses are transmitted from wild aquatic birds to domestic poultry, and this may cause an outbreak or give rise to **human influenza pandemics**. The physical structure of all influenza A virus is similar. The Influenza A virus genome is contained on eight single (non-paired) RNA strands that code for eleven proteins (**HA, NA, NP, M1, M2, NS1, NEP, PA, PB1, PB1-F2, PB2**). The several subtypes are labeled according to an H number (for the type of hemagglutinin) and an N number (for the type of neuraminidase). There are 17 different H antigens (**H1 to H17**) and nine different N antigens (**N1 to N9**). Influenza A virus subtype H5N1, also known as "bird flu", A(H5N1) or simply H5N1, is a subtype of the influenza A virus which can cause illness in humans and many other animal species.

### Related Items

Catalog# Prod Description

- 920-040-HAG Human Anti-Influenza A virus (H1N1) IgG ELISA kit, 96 tests, Quantitative
- 920-360-HNG Human Anti-Influenza A virus Nucleoprotein (NP/H1N1) IgG ELISA kit, 96 tests, Quantitative
- 920-020-PAM Swine/Pig Anti-Influenza A virus (H3N2) IgM ELISA kit, 96 tests, Quantitative
- 920-060-HAA Human Anti-Influenza A virus (H1N1) IgA ELISA kit, 96 tests, Quantitative
- 920-070-H1G Rabbit Anti-Influenza A Virus H1N1 (human/avian) IgG ELISA kit, 96 tests
- 920-080-H5G Human Anti-Influenza A Virus H5N1 IgG ELISA kit, 96 tests
- 920-085-H5M Human Anti-Influenza A Virus H5N1 IgM ELISA kit, 96 tests
- 920-050-HAM Human Anti-Influenza A virus (H1N1) IgM ELISA kit, 96 tests, Quantitative
- 920-200-MHA Human Anti-Influenza A virus M2 protein IgA ELISA kit (DIVA test), 96 tests, Quantitative

920-360-HNG-Human-Anti-Influenza-A-NP-IgG-ELISA-Manual-dft 151112A

