

Influenza H1N1 Hemagglutinin/HA ELISA Kit | H1N1 elisa kit

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CATALOG #
AAA258415

REACTIVITY
Influenza H1N1

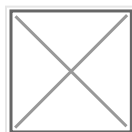
PRODUCT SYNONYMS

Influenza H1N1 Hemagglutinin/HA; Influenza H1N1 Hemagglutinin/HA ELISA Kit; Harvey rat sarcoma viral oncogene homolog; H1N1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Influenza H1N1
Specificity	This assay recognizes most of recombinant H1N1 HA protein. With influenza A H1N1 (A/California/04/2009) Hemagglutinin / HA as the standard, reaction of other H1N1 strains were as follows.
Assay Type	Sandwich
Detection Range	31.25-2000 pg/mL
Sensitivity	14.71 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) - Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays) - Three samples of known concentration were tested in three separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for H1N1 elisa kit

Principle of the Assay: The principle of this ELISA kit is based on the Sandwich Enzyme-Linked Immunosorbent Assay (ELISA). The 96-well strip plate is precoated with a monoclonal antibody specific for Influenza H1N1 Hemagglutinin / HA. Standards and Influenza H1N1 Hemagglutinin / HA present in the sample is bound by the immobilized antibody. After washing, a horseradish peroxidase conjugated anti-Influenza H1N1 Hemagglutinin / HA antibody is added, producing an antibody-antigen-antibody "sandwich complex". Following a wash to remove any unbound antibody -enzyme reagent, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Influenza H1N1 Hemagglutinin / HA bound in the initial step. The color development is stopped and the intensity of the color is measured at 450 nm.

Intended Uses: The kit has been verified by high purity Influenza H1N1 Hemagglutinin / HA recombinant protein. The use of this kit for natural samples need to be validated by the end user due to the complexity of natural targets and unpredictable interference.

References

White JM, Hoffman LR, Arevalo JH, et al. Attachment and entry of influenza virus into host cells. Pivotal roles of hemagglutinin. In Chiu W, Burnett RM, Garcea RL. Structural Biology of Viruses. 1997 Suzuki Y. Sialobiology of influenza: molecular mechanism of host range variation of influenza viruses. Biol. Pharm. Bull. 2005.

Senne DA, Panigrahy B, Kawaoka Y, et al. Survey of the hemagglutinin (HA) cleavage site sequence of H5 and H7 avian influenza viruses: amino acid sequence at the HA cleavage site as a marker of pathogenicity potential. Avian Dis. 1996

Donald J. Benton, Influenza hemagglutinin membrane anchor, PNAS, 2018

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/elisa-kits/influenza-h1n1-hemagglutinin-ha/258415>