

Influenza A H9N2 (A/Hong Kong/1073/99) Hemagglutinin/HA ELISA Kit | H9N2 elisa kit

Influenza A H9N2 (A/Hong Kong/1073/99) Hemagglutinin/HA ELISA Kit

CATALOG #
AAA258424

REACTIVITY
Influenza A H9N2

PRODUCT SYNONYMS

Influenza A H9N2 (A/Hong Kong/1073/99) Hemagglutinin/HA; Influenza A H9N2 (A/Hong Kong/1073/99) Hemagglutinin/HA ELISA Kit; Harvey rat sarcoma viral oncogene homolog; H9N2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Influenza A H9N2
Specificity	The kit has been verified by high purity Influenza A H1N1 (A/Puerto Rico/8/1934) Hemagglutinin/HA recombinant protein.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Recombinant protein
Detection Range	78.13-5000pg/mL
Sensitivity	6.9pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

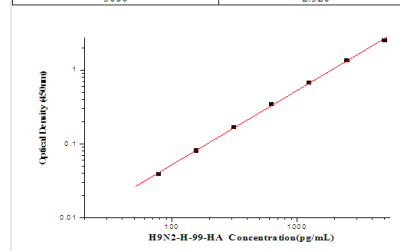
IMAGES

Recombinant human			
anti-HA(Ti)	B-BS-08-Ha	H10N8-JD-13-HA(1-524)	H11N2-DY-02-HA
H12N5-GA-91-HA	H13N8-BN-00-HA	H14N5-MA-82-HA	H15N8-DA-83-HA
H16N3-BS-99-HA	H17N10-BA-09-HA(1-527)	H1N1-C-07-HA	H2N2-CA-05-HA
H3N2-AI-68-HA	H4N6-SO-99-HA	H6N2-CG-11-HA(1-529)	H7N9-AB-13-HA
H5N4-PA-79-HA	H9N2-CH-97-HA	H9N2-HK-99-HA	

Application Data

This assay recognizes both recombinant and natural Virus H9N2-H-99-HA. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed. Cross-reactivity were observed to be 3%, 7%, 51%, 35% and 3% with 10ng/mL of recombinant virus H9N2-CH-97-HA1, H9N2-CH-97-HA, H9N2-DH-78-HA, H9N2-DH-78-HA1 and H9N2-HK-09-HA. High cross-reactivity were observed within standard curve of recombinant virus H9N2-GH-99-HA1, H9N2-GH-99-HA and H9N2-H-99-HA1.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
78.13	0.039
156.25	0.081
312.5	0.170
625	0.346
1250	0.677
2500	1.349
5000	2.520



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for H9N2 elisa kit	This Influenza A H9N2 (A/Hong Kong/1073/99) Hemagglutinin/HA ELISA Kit is an enzyme-linked immunosorbent assay for the quantitative measurement of H9N2 Hemagglutinin/HA protein in Recombinant protein. It contains recombinant H9N2 Hemagglutinin/HA, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: The influenza viral Hemagglutinin (HA) protein is a homotrimer with a receptor binding pocket on the globular head of each monomer.HA has at least 18 different antigens. These subtypes are named H1 through H18.HA has two functions. Firstly, it allows the recognition of target vertebrate cells, accomplished through the binding to these cells' sialic acid-containing receptors. Secondly, once bound it facilitates the entry of the viral genome into the target cells by causing the fusion of the host endosomal membrane with the viral membrane. The influenza virus Hemagglutinin (HA) protein is translated in cells as a single protein, HA, or hemagglutinin precursor protein. For viral activation, hemagglutinin precursor protein (HA) must be cleaved by a trypsin-like serine endoprotease at a specific site, normally coded for by a single basic amino acid (usually arginine) between the HA1 and HA2 domains of the protein. After cleavage, the two disulfide-bonded protein domains produce the mature form of the protein subunits as a prerequisite for the conformational change necessary for fusion and hence viral infectivity.
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/elisa-kits/influenza-a-h9n2-a-hong-kong-1073-99-hemagglutinin-ha/258424>