

Chicken Interferon Alpha (IFNa) ELISA Kit | IFNa elisa kit

Chicken Interferon Alpha (IFNa) Instant ELISA Kit

CATALOG # AAA188614	REACTIVITY Chicken	APPLICATIONS ELISA
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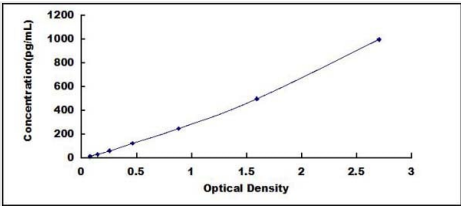
PRODUCT SYNONYMS

Interferon Alpha (IFNa); Chicken Interferon Alpha (IFNa) Instant ELISA Kit; Interferon Alpha; IFNA1; IFL; LeIF D; IFN; IFN-Alpha; IFNA13; IFN-A; IFNAP22; IFN-Alpha 1b; Interferon Alpha 1b; Interferon; Leukocytic; Leukocyte; Interferon alpha-D; IFNa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of Instant Interferon Alpha (IFNa). No significant cross-reactivity or interference between Instant Interferon Alpha (IFNa) and analogues was observed.
Sequence Length	193
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 5.4pg/mL
Applicable Applications for IFNa elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Instant Interferon Alpha (IFNa) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Instant Interferon Alpha (IFNa) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Instant Interferon Alpha (IFNa). Standards or samples and HRP-labeled detection antibody specific to Instant Interferon Alpha (IFNa) (Detection Reagent A) are then added to the appropriate microtiter plate wells. Next, TMB substrate solution is added, only those wells that contain Instant Interferon Alpha (IFNa), and HRP-labeled detection antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Instant Interferon Alpha (IFNa) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	45382199
NCBI GeneID	396398
NCBI Accession #	NP_990758.1
NCBI GenBank Nucleotide #	NP_990758.1
UniProt Accession #	P42165; Q90872
NCBI Official Full Name	interferon type A1/A2
NCBI Official Synonym Full Names	interferon
NCBI Official Symbol	IFNA3
NCBI Official Synonym Symbols	IFNA; IFNA1; IFNA2; IFNA6; IFN-alpha; IFN-gamma
NCBI Protein Information	interferon type A1/A2
UniProt Protein Name	Interferon type A1/A2
UniProt Gene Name	IFNA1
UniProt Entry Name	IFNA1_CHICK

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/chicken-elisa-kits/interferon-alpha-ifna/188614>