

## Chicken Interferon beta ELISA Kit | IFN-beta elisa kit

Chicken Interferon beta ELISA Kit

CATALOG #  
**AAA89525**

REACTIVITY  
**Chicken**

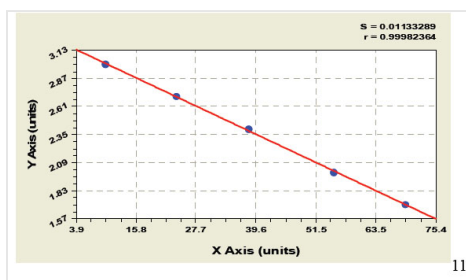
### PRODUCT SYNONYMS

Interferon beta; Chicken Interferon beta ELISA Kit; Chicken Interferon b ELISA Kit; IFN-beta elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Chicken                                                                                                                                                                                        |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                     |
| Assay Type              | Competitive                                                                                                                                                                                    |
| Sensitivity             | 1.0 pg/mL.                                                                                                                                                                                     |
| Intended Uses           | This betaIFN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken betaIFN. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C                                                                                                                                                             |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IFN-beta elisa kit

**Principle of the Assay:** betaIFN ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-betaIFN antibody and an betaIFN-HRP conjugate. The assay sample and buffer are incubated together with betaIFN-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the betaIFN concentration since betaIFN from samples and betaIFN-HRP conjugate compete for the anti-betaIFN antibody binding site. Since the number of sites is limited, as more sites are occupied by betaIFN from the sample, fewer sites are left to bind betaIFN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The betaIFN concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for IFN-beta elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 4504603                                          |
| NCBI GeneID                      | 3456                                             |
| NCBI Accession #                 | NP_002167.1                                      |
| NCBI GenBank Nucleotide #        | NM_002176.2                                      |
| UniProt Accession #              | P01574; Q15943; Q5VWC9                           |
| Molecular Weight                 | 22,294 Da                                        |
| NCBI Official Full Name          | interferon beta                                  |
| NCBI Official Synonym Full Names | interferon, beta 1, fibroblast                   |
| NCBI Official Symbol             | IFNB1                                            |
| NCBI Official Synonym Symbols    | IFB; IFF; IFNB                                   |
| NCBI Protein Information         | interferon beta; IFN-beta; fibroblast interferon |
| UniProt Protein Name             | Interferon beta                                  |
| UniProt Gene Name                | IFNB1                                            |
| UniProt Synonym Gene Names       | IFB; IFNB; IFN-beta                              |
| UniProt Entry Name               | IFNB_HUMAN                                       |

**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/ifn-beta-chicken-elisa-kits/interferon-beta/89525>