

## Rat Interferon Beta ELISA Kit | IFN-beta elisa kit

Rat Interferon Beta ELISA Kit

CATALOG #  
**AAA99773**

REACTIVITY  
**Rat**

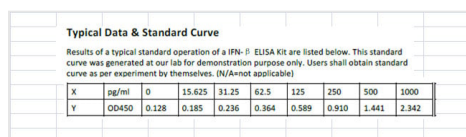
### PRODUCT SYNONYMS

Interferon Beta; Rat Interferon Beta ELISA Kit; IFN-b/IFNB1/Fibroblast interferon/IFBIFNB/IFF/IFN-beta/interferon beta ; IFN-beta elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                           |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of IFN-beta. No significant cross-reactivity or interference between IFN-beta and analogues was observed.                             |
| Sequence Length         | 187                                                                                                                                                                                                           |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                                                                               |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                                                                          |
| Detection Range         | 15.625-1000pg/ml                                                                                                                                                                                              |
| Sensitivity             | 9.375pg/ml                                                                                                                                                                                                    |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IFN-beta were tested 20 times on one plate, respectively. Intra-Assay: CV<8%                                     |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IFN-beta were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10% |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C                                                  |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

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

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-IFN-beta antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-IFN-beta antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the IFN-beta amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IFN-beta can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 4504603                        |
| NCBI GeneID                      | 3456                           |
| NCBI Accession #                 | NP_002167.1                    |
| NCBI GenBank Nucleotide #        | NM_002176.3                    |
| 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; IFN-beta       |
| NCBI Protein Information         | interferon beta                |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/ifn-beta-rat-elisa-kits/interferon-beta/99773>