

## Human Interferon Beta (IFN $\beta$ ) ELISA Kit | IFN $\beta$ elisa kit

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CATALOG #  
**AAA67475**

REACTIVITY  
**Human**

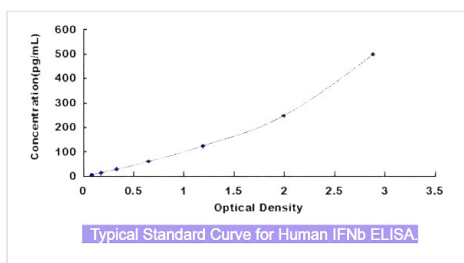
### PRODUCT SYNONYMS

Interferon Beta (IFN $\beta$ ); Human Interferon Beta (IFN $\beta$ ) ELISA Kit; IFNB1; IFN-B; IFB; IFF; IFNB; Interferon Beta 1 Fibroblast; IFN $\beta$  elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                           |
| 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              | Quantitative Sandwich                                                                                                                                                                                           |
| Samples                 | Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids                                                                                                       |
| Detection Range         | 7.81-500pg/mL                                                                                                                                                                                                   |
| Sensitivity             | < 3.46pg/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<10%                                   |
| 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<12% |
| Preparation and Storage | For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.      |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Related Product Information for IFNb elisa kit | <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IFNb. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to IFNb. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IFNb, biotin-conjugated antibody and enzyme-conjugated Avidin 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 IFNb in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of IFNb in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                          |
|----------------------------------|--------------------------|
| NCBI GI #                        | 4504603                  |
| NCBI GeneID                      | 3456                     |
| NCBI Accession #                 | NP_002167.1              |
| NCBI GenBank Nucleotide #        | NM_002176.3              |
| UniProt Accession #              | P01574; Q5VWC9           |
| Molecular Weight                 | 22,294 Da                |
| NCBI Official Full Name          | interferon beta          |
| NCBI Official Synonym Full Names | interferon beta 1        |
| 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      |

**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.