

## IFN gamma elisa kit

Human IFN gamma HS ELISA Kit

CATALOG #  
**AAA13472**

REACTIVITY  
**Human. No cross reactivity with other human cytokines.**

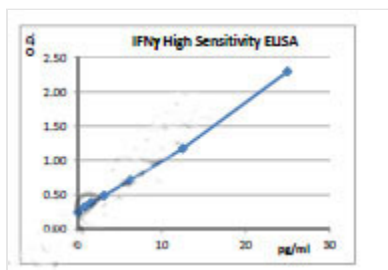
### PRODUCT SYNONYMS

IFN gamma; Human IFN gamma HS ELISA Kit; IFN-g HS; IFN gamma elisa kit

### PRODUCT SPECIFICATIONS

|                 |                                                                                                                                                                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity      | Human. No cross reactivity with other human cytokines.                                                                                                                                                                                                                    |
| Specificity     | Ten specificities were tested with concentrations higher than IFNgamma curve concentrations. No cross reaction was observed for concentrations ranging from 2500 to 78.12 pg/ml for IL-1alpha, IL-2, IL-8, IL-12p40, TNFalpha, CD95 Fas, TRAIL, ICAM-1, Gp130 and GM-CSF. |
| Sequence Length | 166                                                                                                                                                                                                                                                                       |
| Samples         | Sera, plasmas, buffered solutions or cell culture media                                                                                                                                                                                                                   |
| Assay Type      | Quantitative Sandwich                                                                                                                                                                                                                                                     |
| Sensitivity     | <0.69 pg/ml.                                                                                                                                                                                                                                                              |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IFN gamma elisa kit

**Intended Uses:** The Human high sensitivity IFNgamma ELISA Kit is to be used for the in-vitro quantitative determination of interferon gamma (IFNgamma) in human sera, plasmas, buffered solutions or cell culture media. The assay will recognize both natural and recombinant human IFNgamma. This kit has been configured for research use only.

**Principle of the Assay:** The IFNgamma Kit is a solid phase sandwich Enzyme Linked-Immuno- Sorbent Assay (ELISA). A monoclonal antibody specific for IFNgamma has been coated onto the wells of the microtiter strips provided. Samples, including standards of known IFNgamma concentrations and unknowns are pipetted into these wells. During the first incubation, the IFNgamma antigen and a biotinylated monoclonal antibody specific for IFNgamma are successively incubated. After washing, the enzyme (streptavidin-peroxydase) is added. All the unbound enzyme is removed by washing and the first amplification step is performed by adding the Biotine-Tyramine reagent. Under the action of HRP, a biotine polymerisation reaction occurs in the region of the HRP linked to the detection antibody. After washing the second amplification step is performed and the polymerised biotine is revealed by a new streptavidin-HRP step. Finally after washing, the substrate is added. The intensity of this coloured product is directly proportional to the concentration of IFNgamma present in the samples.

|                                                   |                 |
|---------------------------------------------------|-----------------|
| Product Categories/Family for IFN gamma elisa kit | Human ELISA Kit |
|---------------------------------------------------|-----------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                        |
|----------------------------------|------------------------|
| NCBI GI #                        | 56786138               |
| NCBI GeneID                      | 3458                   |
| NCBI Accession #                 | NP_000610.2            |
| NCBI GenBank Nucleotide #        | NM_000619.2            |
| UniProt Accession #              | P01579; Q53ZV4; B5BU88 |
| Molecular Weight                 | 19,348 Da              |
| NCBI Official Full Name          | interferon gamma       |
| NCBI Official Synonym Full Names | interferon, gamma      |
| NCBI Official Symbol             | IFNG                   |
| NCBI Official Synonym Symbols    | IFG; IFI               |
| NCBI Protein Information         | interferon gamma       |
| UniProt Protein Name             | Interferon gamma       |
| UniProt Gene Name                | <b>IFNG</b>            |
| UniProt Synonym Gene Names       | IFN-gamma              |
| UniProt Entry Name               | IFNG_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/human-elisa-kits/ifn-gamma/13472>