

## Rat IFN gamma ELISA Kit | IFNG elisa kit

Rat IFN gamma PicoKine ELISA Kit

CATALOG #  
**AAA11587**

REACTIVITY  
**Rat**

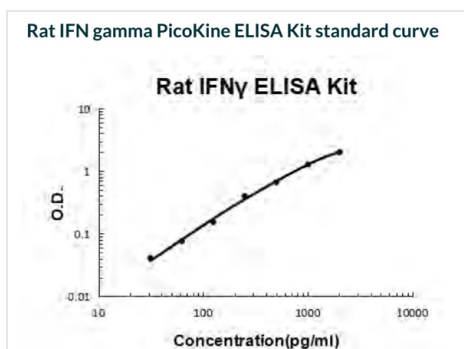
### PRODUCT SYNONYMS

IFN gamma; Rat IFN gamma PicoKine ELISA Kit; Interferon gamma; interferon; gamma; IFNG; IFG; IFI; IFN Gamma; IFN Immune; IFN-gamma; IFNG\_HUMAN; Immune Interferon; Interferon Gamma Precursor; Macrophage Activating Factor; MAF; T Cell Interferon; Type II Interferon; IFNG elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                        |
| Specificity             | Natural and recombinant Rat Ifng                                                                                           |
| Sequence Length         | 156                                                                                                                        |
| Samples                 | Cell culture supernatants and serum                                                                                        |
| Detection Range         | 31.2 pg/ml - 2,000 pg/ml                                                                                                   |
| Sensitivity             | <6 pg/ml                                                                                                                   |
| Intra-assay Precision   | Three samples of known concentration were tested on one plate to assess intra-assay precision.                             |
| Inter-assay Precision   | Three samples of known concentration were tested in separate assays to assess inter-assay precision.                       |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.) |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Related Product Information for IFNG elisa kit | <p>Background: Interferon-gamma (IFN-gamma) is an inflammatory cytokine that has been implicated in the development of fibrosis in inflamed tissues. The production of IFN-gamma, which is under genetic control, can influence the development of fibrosis in lung allografts. IFN-gamma is also produced by natural killer (NK) cells and most prominently by CD8 cytotoxic T cells, and is vital for the control of microbial pathogens. Interferon gamma is believed to be crucial for host defence against many infections. Genetically determined variability in IFN-gamma and expression might be important for the development of tuberculosis. In addition to having antiviral activity, IFN-gamma has important immunoregulatory functions. IFN-gamma plays an important role in the control of neointima proliferation.</p> <p>Principle of the Assay: The Picokine™ Rat Ifng Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Rat Ifng with a 96-well strip plate that is pre-coated with antibody specific for Ifng. The detection antibody is a biotinylated antibody specific for Ifng. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Rat Ifng with immunogen: Expression system for standard: E.coli; Immunogen sequence: E23-C156. The kit is analytically validated with ready-to-use reagents. To measure Rat Ifng, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Rat Ifng in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rat Ifng in the sample.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                             |
|----------------------------------|-----------------------------|
| NCBI GI #                        | 124482                      |
| NCBI GeneID                      | 25712                       |
| UniProt Accession #              | P01581                      |
| Molecular Weight                 | 17,918 Da                   |
| NCBI Official Full Name          | Interferon gamma            |
| NCBI Official Synonym Full Names | interferon gamma            |
| NCBI Official Symbol             | Ifng                        |
| NCBI Official Synonym Symbols    | IFNG2                       |
| NCBI Protein Information         | interferon gamma; IFN-gamma |
| UniProt Protein Name             | Interferon gamma            |
| UniProt Gene Name                | Ifng                        |
| UniProt Synonym Gene Names       | IFN-gamma                   |
| UniProt Entry Name               | IFNG_RAT                    |

**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.