

## Guinea Pig Interferon Gamma (IFNg) CLIA Kit | IFNg clia kit

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CATALOG #  
AAA130415

REACTIVITY  
Guinea Pig

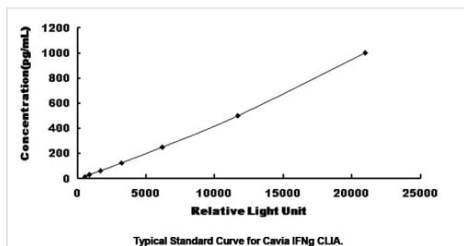
### PRODUCT SYNONYMS

Interferon Gamma (IFNg); Guinea Pig Interferon Gamma (IFNg) CLIA Kit; IFN-G; IFG; IFI; INFr; IFN; Immune Interferon; IFNg clia kit

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Guinea Pig                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity                                       | This assay has high sensitivity and excellent specificity for detection of Interferon Gamma (IFNg). No significant cross-reactivity or interference between Interferon Gamma (IFNg) and analogues was observed.                                                                                                                                                                                                                                                                            |
| Sequence Length                                   | 166                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type                                        | Double-antibody Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Samples                                           | Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                       |
| Detection Range                                   | 1.37-1,000pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sensitivity                                       | 0.55pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Application                                       | Chemiluminescent immunoassay for Antigen Detection.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Intra-assay Precision (Precision within an assay) | 3 samples with low, middle and high level Interferon Gamma (IFNg) were tested 20 times on one plate, respectively.                                                                                                                                                                                                                                                                                                                                                                         |
| Inter-assay Precision (Precision between assays)  | 3 samples with low, middle and high level Interferon Gamma (IFNg) were tested on 3 different plates, 8 replicates in each plate.                                                                                                                                                                                                                                                                                                                                                           |
| CV(%) =                                           | SD/meanX100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Intra-Assay                                       | CV<10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Inter-Assay                                       | CV<12%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation and Storage                           | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IFNg clia kit | The microplate provided in this kit has been pre-coated with an antibody specific to Interferon Gamma (IFNg). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Interferon Gamma (IFNg). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Interferon Gamma (IFNg) level in the sample or standard.; |
| Product Categories/Family for IFNg clia kit   | Cytokine; Infection immunity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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                | IFNG                   |
| 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.