

## Rat Interferon Alpha 21 ELISA Kit | IFNA21 elisa kit

Rat Interferon Alpha 21 ELISA Kit

CATALOG #  
**AAA95807**

REACTIVITY  
**Rat**

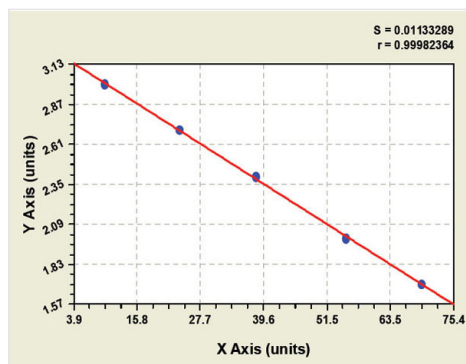
### PRODUCT SYNONYMS

Interferon Alpha 21; Rat Interferon Alpha 21 ELISA Kit; IFNA21 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                               |
| Assay Type              | Competitive                                                                                                                                                                              |
| Intended Uses           | This IFNa21 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat IFNa21. This ELISA kit for research use only, not for therapeutic applications  |
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| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IFNA21 elisa kit

**Principle of the Assay:** IFNa21 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IFNa21 antibody and an IFNa21-HRP conjugate. The assay sample and buffer are incubated together with IFNa21-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IFNa21 concentration since IFNa21 from samples and IFNa21-HRP conjugate compete for the anti-IFNa21 antibody binding site. Since the number of sites is limited, as more sites are occupied by IFNa21 from the sample, fewer sites are left to bind IFNa21-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IFNa21 concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------|
| NCBI GI #                        | 169791013                                                                           |
| NCBI GeneID                      | 3452                                                                                |
| NCBI Accession #                 | NP_002166.2                                                                         |
| NCBI GenBank Nucleotide #        | NM_002175.2                                                                         |
| Molecular Weight                 | 21,741 Da                                                                           |
| NCBI Official Full Name          | interferon alpha-21                                                                 |
| NCBI Official Synonym Full Names | interferon, alpha 21                                                                |
| NCBI Official Symbol             | IFNA21                                                                              |
| NCBI Official Synonym Symbols    | LeIF F; leIF-F; IFN-alpha1                                                          |
| NCBI Protein Information         | interferon alpha-21; IFN-alpha-21; interferon alpha-F; leukocyte interferon protein |
| UniProt Protein Name             | Interferon alpha-21                                                                 |
| UniProt Gene Name                | <b>IFNA21</b>                                                                       |
| UniProt Synonym Gene Names       | IFN-alpha-21; LeIF F                                                                |
| UniProt Entry Name               | IFN21_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.