

Rat Interferon Alpha 21 ELISA Kit | IFNA21 elisa kit

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CATALOG #
AAA95807

REACTIVITY
Rat

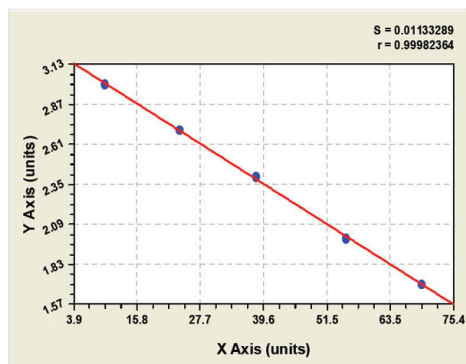
PRODUCT SYNONYMS

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	IFNA21
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.

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Online datasheet: <https://www.aaabiotech.com/ifna21-rat-elisa-kits/interferon-alpha-21/95807>