

Rat Interferon alpha ELISA Kit | IFN-alpha elisa kit

Rat Interferon alpha ELISA Kit

CATALOG #
AAA16230

REACTIVITY
Rat

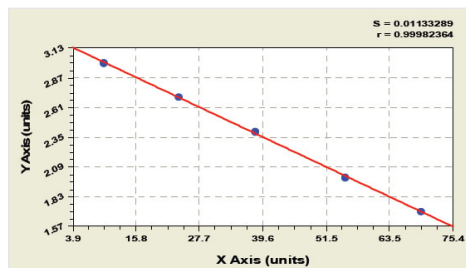
PRODUCT SYNONYMS

Interferon alpha; Rat Interferon alpha ELISA Kit; Rat Interferon a ELISA Kit; IFN-alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This IFNalpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat IFNalpha. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFN-alpha elisa kit

Principle of the Assay: IFNalpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IFNalpha antibody and an IFNalpha-HRP conjugate. The assay sample and buffer are incubated together with IFNalpha-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 IFNalpha concentration since IFNalpha from samples and IFNalpha-HRP conjugate compete for the anti-IFNalpha antibody binding site. Since the number of sites is limited, as more sites are occupied by IFNalpha from the sample, fewer sites are left to bind IFNalpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IFNalpha concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IFN-alpha elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	306902
NCBI GeneID	3445
Molecular Weight	21,989 Da
NCBI Official Full Name	interferon-alpha
NCBI Official Synonym Full Names	interferon, alpha 8
NCBI Official Symbol	IFNA8
NCBI Official Synonym Symbols	IFN-alphaB
NCBI Protein Information	interferon alpha-8; leIF B; IFN-alpha-8; interferon alpha-B; interferon alpha-B'; interferon alpha-B2; interferon alpha type 201
UniProt Protein Name	Interferon alpha-8
UniProt Gene Name	IFNA8
UniProt Synonym Gene Names	IFN-alpha-8; LeIF B
UniProt Entry Name	IFNA8_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/ifn-alpha-rat-elisa-kits/interferon-alpha/16230>