

Rat IFNalpha (Interferon Alpha) ELISA Kit | IFNalpha elisa kit

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CATALOG #
AAA177751

REACTIVITY
Rat

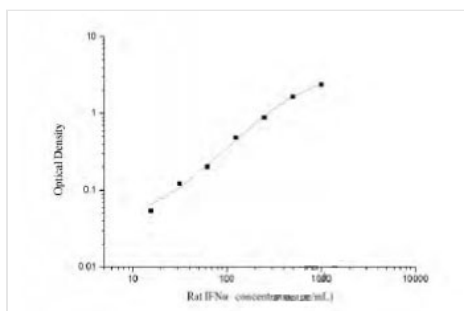
PRODUCT SYNONYMS

IFNalpha (Interferon Alpha); Rat IFNalpha (Interferon Alpha) ELISA Kit; IFNalpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat IFNalpha in samples. No significant cross-reactivity or interference between Rat IFNalpha and analogues was observed.
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	9.38-1000pg/mL
Sensitivity	15.63pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat IFNalpha were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat IFNalpha were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFNalpha elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat IFNalpha concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat IFNalpha. Samples (or Standards) and biotinylated detection antibody specific for Rat IFNalpha are added to the micro ELISA plate wells. Rat IFNalpha would combine with the specific antibody. Then Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat IFNalpha, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 +/- 2 nm. The OD value is proportional to the concentration of Rat IFNalpha. You can calculate the concentration of Rat IFNalpha in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62339349
NCBI GeneID	298210
NCBI Accession #	NP_001014786.1
NCBI GenBank Nucleotide #	NM_001014786.1
UniProt Accession #	P05011
Molecular Weight	21,935 Da
NCBI Official Full Name	interferon alpha-1
NCBI Official Synonym Full Names	interferon-alpha 1
NCBI Official Symbol	Ifna1
NCBI Official Synonym Symbols	IFN-alpha1
NCBI Protein Information	interferon alpha-1
UniProt Protein Name	Interferon alpha-1
UniProt Gene Name	Ifna1
UniProt Entry Name	IFNA1_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.