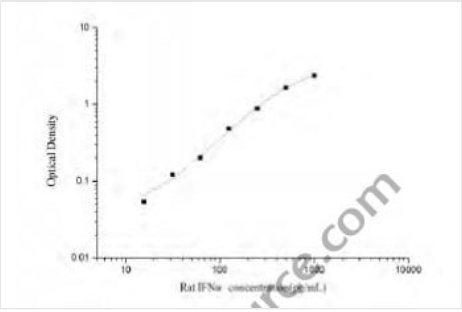
Ifnalpha (Interferon Alpha) (IFNalpha) ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	IFNalpha (Interferon Alpha), ELISA Kit
Full Product Name	Rat IFNalpha (Interferon Alpha) ELISA Kit
Product Gene Name	IFNalpha elisa kit
Species Reactivity	Rat
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	9.38-1000pg/mL
Sensitivity	15.63pg/mL
Specificity	This kit recognizes Rat IFNalpha in samples. No significant cross-reactivity or interference between Rat IFNalpha and analogues was observed.
Preparation and Storage	Store at 4 degree C
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.
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.
Molecular Weight	21,935 Da
3D Structure	ModBase 3D Structure for P05011
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
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.
Other Notes	Small volumes of IFNalpha elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IFNalpha purchase	MBS2567479 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the IFNalpha (Interferon Alpha) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing IFNalpha. The ELISA analytical biochemical technique of the MBS2567479 kit is based on IFNalpha antibody-IFNalpha antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect IFNalpha antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, IFNalpha. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of IFNalpha elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFNalpha. It may not necessarily be applicable to this product.

NCBI GI #	62339349
NCBI GeneID	298210
NCBI Accession #	NP_001014786.1
UniProt Primary Accession #	P05011
UniProt Related Accession #	P05011
GenBank Nucleotide #	NM_001014786.1
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
UniProt Protein Name	Interferon alpha-1
UniProt Gene Name	Ifna1
UniProt Entry Name	IFNA1_RAT
NCBI Protein Information	interferon alpha-1
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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