

Human IFN-alpha1 (Interferon Alpha 1) ELISA Kit | IFN-alpha1 elisa kit

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CATALOG #
AAA21629

REACTIVITY
Human

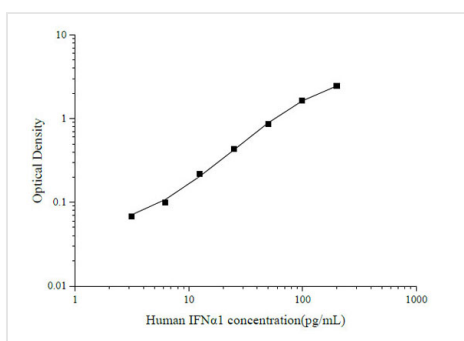
PRODUCT SYNONYMS

IFN-alpha1 (Interferon Alpha 1); Human IFN-alpha1 (Interferon Alpha 1) ELISA Kit; IFN-alpha1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human IFNalpha1 in samples. No significant cross-reactivity or interference between Human IFNalpha1 and analogues was observed.
Sequence Length	189
Assay Type	Quantitative Sandwich
Samples	Serum and plasma, please inquiry if your samples are other biological fluids
Detection Range	3.13-200pg/mL
Sensitivity	1.88pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human IFNalpha1 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 Human IFNalpha1 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 IFN-alpha1 elisa kit	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 Human IFNalpha1. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human IFNalpha1 and 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 Human IFNalpha1, 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 Human IFNalpha1. You can calculate the concentration of Human IFNalpha1 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human IFNalpha1 concentrations in serum and plasma, please inquiry if your samples are other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13128950
NCBI GeneID	3439
NCBI Accession #	NP_076918.1
NCBI GenBank Nucleotide #	NM_024013.2
UniProt Accession #	P01562; Q14605; Q2M1L8; Q52LB8; Q5VYQ2; Q7M4Q1; Q8WZ68; Q9UMJ3; D4Q9M8
Molecular Weight	21,725 Da
NCBI Official Full Name	interferon alpha-1/13
NCBI Official Synonym Full Names	interferon, alpha 1
NCBI Official Symbol	IFNA1
NCBI Official Synonym Symbols	IFL; IFN; IFNA@; IFNA13; IFN-ALPHA; IFN-alphaD
NCBI Protein Information	interferon alpha-1/13; IFN-alpha 1b; IFN-alpha-1/13; interferon alpha 1b; interferon alpha-D; interferon-alpha1; leIF D
UniProt Protein Name	Interferon alpha-1/13
UniProt Gene Name	IFNA1
UniProt Synonym Gene Names	IFN-alpha-1/13; leIF D
UniProt Entry Name	IFNA1_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.