

Human IFN alpha 1 ELISA Kit | IFNA1 elisa kit

Human IFN alpha 1 ELISA Kit

CATALOG # AAA261657	REACTIVITY Human	APPLICATIONS ELISA
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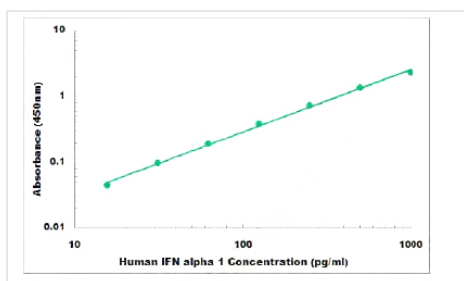
PRODUCT SYNONYMS

IFN alpha 1; Human IFN alpha 1 ELISA Kit; Interferon alpha-1/13; IFN-alpha-1/13; Interferon alpha-D; LeIF D; IFNA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human IFN alpha 1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IFN alpha 1 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	189
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	7 pg/ml.
Applicable Applications for IFNA1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFNA1 elisa kit	Principle of the Assay The Human IFN alpha 1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human IFN alpha 1 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human IFN alpha 1 coated on a 96-well plate. Standards and samples are pipetted into the wells and IFN alpha 1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human IFN alpha 1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IFN alpha 1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Interferons (IFNs) appear both locally and systematically early after viral infection and participate in limiting the spread of infection; they also affect cell differentiation, growth, surface antigen expression and immunoregulation. There are three naturally occurring interferons: alpha, beta and gamma. IFN-alpha is derived from lymphoblastic tissue and has a number of therapeutic applications in the treatment of various human cancers and diseases of viral origin. When binding to discrete cell surface receptors on target cells, IFN-alpha induces rapid changes in Jak/Stat phosphorylation, which initiates the Jak/Stat signaling pathway. IFN-alpha signaling also involves production of DAG without an increased intracellular free calcium concentration and the subsequent activation of calcium-independent isoforms of PKC (beta and epsilon). All IFN-alpha signaling pathways lead to final alterations of gene expression, which mediate their pleiotropic biologic activities.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124455
NCBI GeneID	3439
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
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.