

Human Interferon Alpha 21 (IFNa21) ELISA Kit | IFNa21 elisa kit

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CATALOG #
AAA137817

REACTIVITY
Human

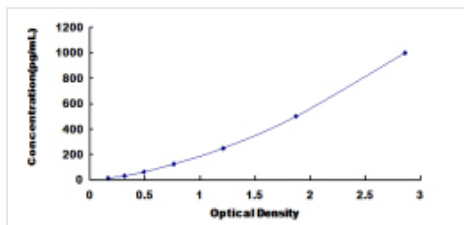
PRODUCT SYNONYMS

Interferon Alpha 21 (IFNa21); Human Interferon Alpha 21 (IFNa21) ELISA Kit; LeIF F; Interferon alpha-F; IFNa21 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Interferon Alpha 21 (IFNa21). No significant cross-reactivity or interference between Interferon Alpha 21 (IFNa21) and analogues was observed.
Sequence Length	189
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	15.62-1000pg/mL
Sensitivity	6.2pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Interferon Alpha 21 (IFNa21) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Interferon Alpha 21 (IFNa21) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFNa21 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Interferon Alpha 21 (IFNa21). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Interferon Alpha 21 (IFNa21). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Interferon Alpha 21 (IFNa21), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Interferon Alpha 21 (IFNa21) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for IFNa21 elisa kit	Cytokine

NCBI AND UNIPROT INFORMATION

NCBI GI #	169791013
NCBI GeneID	3452
NCBI Accession #	NP_002166.2
NCBI GenBank Nucleotide #	NM_002175.2
UniProt Accession #	P01568; Q14608; Q5VWD1; Q7M4Q4
Molecular Weight	21,741 Da
NCBI Official Full Name	interferon alpha-21
NCBI Official Synonym Full Names	interferon, alpha 21
NCBI Official Symbol	IFNA21
NCBI Official Synonym Symbols	LeIF F; leIF-F; IFN-alpha
NCBI Protein Information	interferon alpha-21
UniProt Protein Name	Interferon alpha-21
UniProt Gene Name	IFNA21
UniProt Synonym Gene Names	IFN-alpha-21; LeIF F
UniProt Entry Name	IFN21_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.