

Human Interferon Kappa (IFNk) ELISA Kit | IFNk elisa kit

Human Interferon Kappa (IFNk)(Sandwich ELISA) ELISA Kit

CATALOG # AAA150914	REACTIVITY Human	APPLICATIONS ELISA
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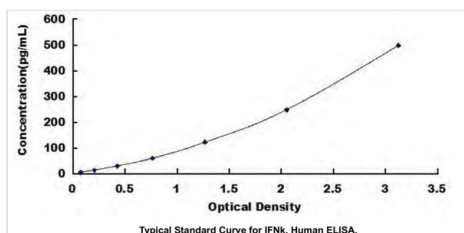
PRODUCT SYNONYMS

Interferon Kappa (IFNk); Human Interferon Kappa (IFNk)(Sandwich ELISA) ELISA Kit; ELISA Kit for Interferon Kappa (IFNk); IFNk/Interferon Kappa; IFN-K; IFNk elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of IFNk. No significant cross-reactivity or interference between IFNk and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	7.8-500pg/mL
Sensitivity	< 3.1pg/mL
Applicable Applications for IFNk elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IFNk were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IFNk were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month; -20 degree C for long-term (within shelf life) 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 IFNk elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IFNk. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IFNk. 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 IFNk, 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 IFNk in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IFNk in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for IFNk elisa kit	Enzyme & Kinase; Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	112789564
NCBI GeneID	56832
NCBI Accession #	NP_064509.2
NCBI GenBank Nucleotide #	NM_020124.2
UniProt Accession #	Q9P0W0; Q5T166
Molecular Weight	25,218 Da
NCBI Official Full Name	interferon kappa
NCBI Official Synonym Full Names	interferon kappa
NCBI Official Symbol	IFNK
NCBI Official Synonym Symbols	IFNT1; INFE1
NCBI Protein Information	interferon kappa
UniProt Protein Name	Interferon kappa
UniProt Gene Name	IFNK
UniProt Synonym Gene Names	IFN-kappa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/interferon-kappa-ifnk/150914>