

Rat Interferon Beta (IFN β) ELISA Kit | IFN β elisa kit

Rat Interferon Beta (IFN β) ELISA Kit

CATALOG #
AAA65453

REACTIVITY
Rat

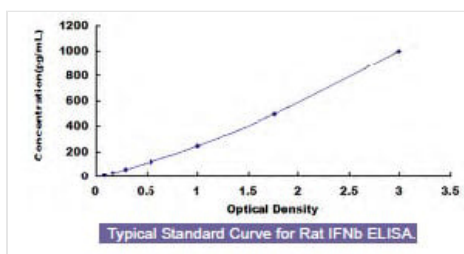
PRODUCT SYNONYMS

Interferon Beta (IFN β); Rat Interferon Beta (IFN β) ELISA Kit; IFN β 1; IFN-B; IFB; IFF; IFNB; Interferon Beta 1 Fibroblast; IFN β elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of IFN β . No significant cross-reactivity or interference between IFN β and analogues was observed.
Sequence Length	184
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	6.1pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IFN β 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 IFN β were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFNb elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IFNb in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IFNb. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to IFNb. 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 IFNb, 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 IFNb in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	9506801
NCBI GeneID	24481
NCBI Accession #	NP_062000.1
NCBI GenBank Nucleotide #	NM_019127.1
UniProt Accession #	P70499
Molecular Weight	22,073 Da
NCBI Official Full Name	interferon beta
NCBI Official Synonym Full Names	interferon beta 1
NCBI Official Symbol	ifnb1
NCBI Official Synonym Symbols	ifnb
NCBI Protein Information	interferon beta
UniProt Protein Name	Interferon beta
UniProt Gene Name	ifnb1
UniProt Synonym Gene Names	ifnb; IFN-beta

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.