

Mouse IFN beta ELISA Kit | IFNB1 elisa kit

Mouse IFN beta ELISA Kit

CATALOG #
AAA263387

REACTIVITY
Mouse

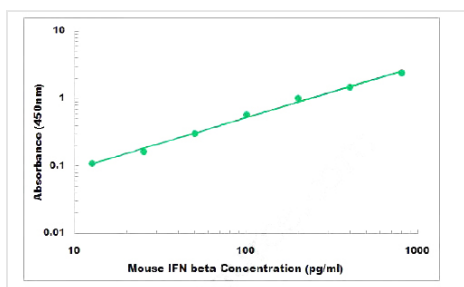
PRODUCT SYNONYMS

IFN beta; Mouse IFN beta ELISA Kit; IFB; IFNB; Interferon beta; IFN-beta; Fibroblast interferon; IFNB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse IFN beta ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse IFN beta proteins within the range of 12.5 pg/ml - 800 pg/ml.
Sequence Length	182
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<6 pg/ml
Preparation and Storage	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 IFNB1 elisa kit	Principle of the Assay: MBS Mouse IFN beta ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse IFN beta in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Mouse IFN beta coated on a 96-well plate. Standards and samples are pipetted into the wells and IFN beta present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse IFN beta 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 beta 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 #	6754304
NCBI GeneID	15977
NCBI Accession #	NP_034640.1
NCBI GenBank Nucleotide #	NM_010510.1
UniProt Accession #	P01575
Molecular Weight	22,127 Da
NCBI Official Full Name	interferon beta
NCBI Official Synonym Full Names	interferon beta 1, fibroblast
NCBI Official Symbol	Ifnb1
NCBI Official Synonym Symbols	Ifb; IFNB; IFN-beta
NCBI Protein Information	interferon beta
UniProt Protein Name	Interferon beta
UniProt Gene Name	Ifnb1
UniProt Synonym Gene Names	Ifb; 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.