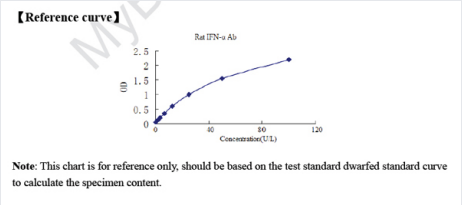
Interferon Alpha Antibody (IFN-Alpha Ab) (IFN-alpha Ab) ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	Interferon Alpha Antibody (IFN-alpha Ab), ELISA Kit
Full Product Name	Rat Interferon Alpha Antibody (IFN-alpha Ab) ELISA Kit
Product Gene Name	IFN-alpha Ab elisa kit
Product Synonym Names	Rat Interferon Alpha Antibody (IFN-a Ab) ELISA Kit
Species Reactivity	Rat
Assay Type	Sandwich
Samples	Rat serum, plasma or Cell Culture Supernatant and organizations in the natural and recombinant IFN-? Ab concentration
Detection Range	100 U/L-1.56 U/L
Sensitivity	0.5 U/L.
Specificity	No cross-reaction with other factors.
Preparation and Storage	Store all reagents at 2-8 degree C.
Inter-assay Precision	? 12%
Intra-assay Precision	? 8%
Molecular Weight	21,725 Da
OMIM	gene 147660
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IFN-alpha Ab elisa kit	**Principle of the assay:** This experiment use double-sandwich elisa technique and the ELISA Kit provided is typical. The pre-coated antibody is Rat IFN-? Ab monoclonal antibody and the detecting antibody is polyclonal antibody with biotin labeled. Samples and biotin labeling antibody are added into ELISA plate wells and washed out with PBS or TBS. Then Avidin-peroxidase conjugates are added to ELISA wells in order; Use TMB substrate for coloring after reactant thoroughly washed out by PBS or TBS. TMB turns into blue in peroxidase catalytic and finally turns into yellow under the action of acid. The color depth and the testing factors in samples are positively correlated.
Other Notes	Small volumes of IFN-alpha Ab elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IFN-alpha Ab purchase	MBS263144 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Interferon Alpha Antibody (IFN-alpha Ab) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing IFN-alpha Ab. The ELISA analytical biochemical technique of the MBS263144 kit is based on IFN-alpha Ab antibody-IFN-alpha Ab antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect IFN-alpha Ab antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, IFN-alpha Ab. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of IFN-alpha Ab elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFN-alpha Ab. It may not necessarily be applicable to this product.

NCBI GI #	124455
NCBI GeneID	3439
NCBI Accession #	P01562.1
UniProt Secondary Accession #	Q14605; Q2M1L8; Q52LB8; Q5VYQ2; Q7M4Q1; Q8WZ68; Q9UMJ3; D4Q9M8
UniProt Related Accession #	P01562
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
UniProt Protein Name	Interferon alpha-1/13
UniProt Synonym Protein Names	Interferon alpha-D; LeIF D
UniProt Gene Name	IFNA1
UniProt Synonym Gene Names	IFN-alpha-1/13; LeIF D
UniProt Entry Name	IFNA1_HUMAN
NCBI Protein Information	interferon alpha-1/13; leIF D; IFN-alpha 1b; IFN-alpha-1/13; interferon-alpha1; interferon alpha-D; interferon alpha 1b
NCBI Summary for IFN-alpha Ab	The protein encoded by this gene is produced by macrophages and has antiviral activity. This gene is intronless and the encoded protein is secreted. [provided by RefSeq, Sep 2011]
UniProt Comments for IFN-alpha Ab	IFNA1/13: a cytokine that belongs to the alpha/beta interferon family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 9p22 Cellular Component: extracellular space; extracellular region Molecular Function: interferon-alpha/beta receptor binding; cytokine activity Biological Process: B cell proliferation; adaptive immune response; response to exogenous dsRNA; B cell differentiation; cytokine and chemokine mediated signaling pathway; natural killer cell activation during immune response; regulation of MHC class I biosynthetic process; innate immune response; blood coagulation; defense response to virus; humoral immune response; T cell activation during immune response; positive regulation of peptidyl-serine phosphorylation of STAT protein
Research Articles on IFN-alpha Ab	**1.** Alterations of plasmacytoid dendritic cells (pDCs) in human type 1 diabetes (T1D) reveal a role of pDCs in driving the differentiation of T helper (Th)1 cells and suggests that pDCs may play a role in Th1-mediated human T1D immunopathogenesis.

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