Interferon Alpha (IFNa) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Interferon Alpha (IFNa), Polyclonal Antibody
Full Product Name	PE-Linked Polyclonal Antibody to Interferon Alpha (IFNa)
Product Gene Name	anti-IFNa antibody
Product Synonym Names	IFNA1; IFL; LeIF D; IFN; IFN-Alpha; IFNA13; IFN-A; IFNAP22; IFN-Alpha 1b; Interferon Alpha 1b; Interferon, Leukocytic; IFN, Leukocyte; Interferon alpha-D
Immunogen Sequence	Cys24~Leu1 81
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	>=100ug/ml (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against IFNa. It has been selected for its ability to recognize IFNa in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months. Avoid repeated freeze/thaw cycles. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: IFNa (MBS2111726) PE Conjugated Antibody: IFNa (MBS2117989)
Matching Pairs	PE Conjugated Antibody: IFNa (MBS2117989) Immunogen: IFNa (MBS2011061)
Molecular Weight	21,725 Da
OMIM	147578
3D Structure	ModBase 3D Structure for P01562
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen Sequence	Cys24~Leu181
Cross Reactivity	Human
Conjugation	PE
Product Categories/Family for anti-IFNa antibody	Cytokine; Infection Immunity
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-IFNa antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Related Product Information for anti-IFNa antibody	MBS2117989 is an antibody targeting IFNa. Also known as PE-Linked Polyclonal Antibody to Interferon Alpha (IFNa). Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-IFNa antibody 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.

ADDITIONAL DETAILS

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

NCBI GI #	124455
NCBI GeneID	3439
NCBI Accession #	P01562.1
UniProt Primary Accession #	P01562
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
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 IFNa	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 IFNa	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; cytokine and chemokine mediated signaling pathway; regulation of MHC class I biosynthetic process; humoral immune response; T cell activation during immune response; response to exogenous dsRNA; B cell differentiation; natural killer cell activation during immune response; innate immune response; blood coagulation; defense response to virus; positive regulation of peptidyl-serine phosphorylation of STAT protein
Research Articles on IFNa	**1.** Data indicate that Toll-like receptor 7, Toll-like receptor 9, and interferon-alpha expression levels were significantly increased in lupus patients.

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