IFI30 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IFI30, Polyclonal Antibody
Full Product Name	IFI30 (Gamma-interferon-inducible Lysosomal Thiol Reductase, Gamma-interferon-inducible Protein IP-30, Legumaturain, GILT, IP30, MGC32056) (Ma
Product Gene Name	anti-IFI30 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human IFI30.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	27,964 Da
OMIM	604664
3D Structure	ModBase 3D Structure for P13284
Immunogen	Full-length human IFI30, aa1-250 (NP_006323.2).
Immunogen Sequence	MTLSPLLLFLPPLLLLLDVPTAAVQASPLQALDFFGNGPPVNYKTGNLYLRGPLKKSNAPLVNVTLYYEALCGGCRAFLIRELFPTWLLVMEILNVTLVPYGN
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-IFI30 antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-IFI30 antibody	Western Blot (WB)
Application Notes for anti-IFI30 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-IFI30 antibody	Lysosomal thiol reductase that can reduce protein disulfide bonds. May facilitate the complete unfolding of proteins destined for lysosomal degradation. restricted recognition of exogenous antigens containing disulfide bonds by CD8+ T-cells or crosspresentation.

Other Notes	Small volumes of anti-IFI30 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa
Searchable Terms for IFI30 purchase	MBS6382099 is an antibody targeting IFI30. Also known as IFI30 (Gamma-interferon-inducible Lysosomal Thiol Reductase, Gamma-interferon-inducib

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFI30. It may not necessarily be applicable to this product.

NCBI GI #	29150261
NCBI GeneID	10437
NCBI Accession #	NP_006323.2
UniProt Primary Accession #	P13284
UniProt Secondary Accession #	Q76MF9; Q8NEI4; Q8WU77; Q9UL08
UniProt Related Accession #	P13284
GenBank Nucleotide #	NM_006332
NCBI Official Full Name	gamma-interferon-inducible lysosomal thiol reductase preproprotein
NCBI Official Synonym Full Names	interferon, gamma-inducible protein 30
NCBI Official Symbol	IFI30
NCBI Official Synonym Symbols	GILT; IP30; IP-30; IFI-30
UniProt Protein Name	Gamma-interferon-inducible lysosomal thiol reductase
UniProt Synonym Protein Names	Gamma-interferon-inducible protein IP-30; Legumaturain
Protein Family	Gamma-interferon-inducible lysosomal thiol reductase
UniProt Gene Name	IFI30
UniProt Synonym Gene Names	GILT; IP30
UniProt Entry Name	GILT_HUMAN
NCBI Protein Information	gamma-interferon-inducible lysosomal thiol reductase; gamma-interferon-inducible protein IP-30; interferon gamma-inducible protein 30 preproprotein; legumaturain
NCBI Summary for IFI30	The protein encoded by this gene is a lysosomal thiol reductase that at low pH can reduce protein disulfide bonds. The enzyme is expressed constitutively in antigen-presenting cells and induced by gamma-interferon in other cell types. This enzyme has an important role in MHC class II-restricted antigen processing. [provided by RefSeq, Jul 2008]

UniProt Comments for IFI30	IFI30: Lysosomal thiol reductase that can reduce protein disulfide bonds. May facilitate the complete unfolding of proteins destined for lysosomal degradation. Plays an important role in antigen processing. Facilitates the generation of MHC class II- restricted epitodes from disulfide bond-containing antigen by the endocytic reduction of disulfide bonds. Facilitates also MHC class I-restricted recognition of exogenous antigens containing disulfide bonds by CD8+ T-cells or crosspresentation. Belongs to the GILT family. Protein type: Secreted, signal peptide; EC 1.8.-.-; Secreted Chromosomal Location of Human Ortholog: 19p13.1 Cellular Component: lysosomal lumen; intracellular membrane-bound organelle; lysosome; cytoplasm; extracellular region; plasma membrane; cell junction Molecular Function: oxidoreductase activity, acting on sulfur group of donors Biological Process: protein stabilization; negative regulation of fibroblast proliferation; cytokine and chemokine mediated signaling pathway; antigen processing and presentation of exogenous peptide antigen via MHC class I; antigen processing and presentation of exogenous peptide antigen via MHC class II
Research Articles on IFI30	**1.** this review discusses recent studies that have advanced our understanding of the role of GILT in antigen processing and revealed surprising new functions for the enzyme.[review]
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