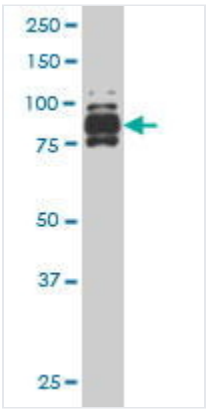
IFI16 Antibody – Mouse Monoclonal

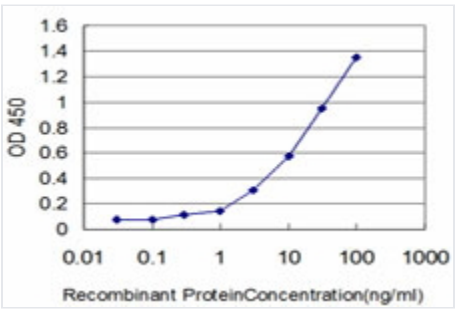
PRODUCT OVERVIEW

Product Name	IFI16, Monoclonal Antibody
Full Product Name	IFI16 (Interferon, gamma-Inducible Protein 16, IFNGIP1, MGC9466, PYHIN2) (PE)
Product Gene Name	anti-IFI16 antibody
Product Synonym Names	Interferon; gamma-Inducible Protein 16; IFNGIP1; MGC9466; PYHIN2
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4000000
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified
Specificity	Recognizes IFI16.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Immunogen	IFI16 (AAH17059, 630aa-729aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	FVNGVFEVHKKNVRGEFTYYEIQDNTGKMEVVVHGRLTTINCEEGDKLKLTCFELAPKSGNTGELRSVIHSHIKVIKTRKNKKDILNPDSSMETSPDFFF
Conjugate	PE
Product Categories/Family for anti-IFI16 antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IFI16 antibody	Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-IFI16 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-IFI16 antibody	This gene encodes a member of the HIN-200 (hematopoietic interferon-inducible nuclear antigens with 200 amino acid repeats) family of cytokines. The encoded protein contains domains involved in DNA binding, transcriptional regulation, and protein-protein interactions. The protein localizes to the nucleoplasm and nucleoli, and interacts with p53 and retinoblastoma-1. It modulates p53 function, and inhibits cell growth in the Ras/Raf signaling pathway. [provided by RefSeq]
Other Notes	Small volumes of anti-IFI16 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.

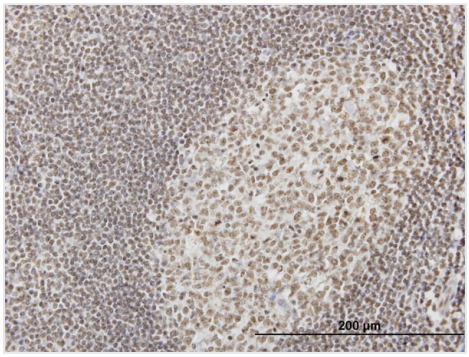
Searchable Terms for IFI16 purchase	MBS6184792 is an antibody targeting IFI16. Also known as IFI16 (Interferon, gamma-Inducible Protein 16, IFNGIP1, MGC9466, PYHIN2) (PE). Host: Mouse.



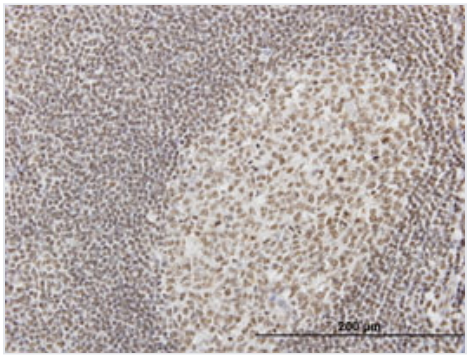
Western Blot (WB) of anti-IFI16 antibody
IFI16 monoclonal antibody (M04), clone 4E6 Western Blot analysis of IFI16 expression in Hela S3 NE (Cat # L013V3).



Testing Data of anti-IFI16 antibody
Detection limit for recombinant GST tagged IFI16 is approximately 0.3ng/ml as a capture antibody.



Immunohistochemistry (IHC) of anti-IFI16 antibody
Immunoperoxidase of monoclonal antibody to IFI16 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 1.2 ug/ml]



Immunohistochemistry (IHC) of anti-IFI16 antibody
Immunoperoxidase of monoclonal antibody to IFI16 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 1.2 ug/ml]

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFI16. It may not necessarily be applicable to this product.

NCBI GI #	16877622
NCBI GeneID	3428
NCBI Accession #	AAH17059
UniProt Related Accession #	Q16666
NCBI Official Full Name	Interferon, gamma-inducible protein 16
NCBI Official Synonym Full Names	interferon gamma inducible protein 16
NCBI Official Symbol	IFI16
NCBI Official Synonym Symbols	PYHIN2; IFNGIP1
Protein Family	Gamma-interferon-inducible protein
NCBI Protein Information	gamma-interferon-inducible protein 16

NCBI Summary for IFI16	This gene encodes a member of the HIN-200 (hematopoietic interferon-inducible nuclear antigens with 200 amino acid repeats) family of cytokines. The encoded protein contains domains involved in DNA binding, transcriptional regulation, and protein-protein interactions. The protein localizes to the nucleoplasm and nucleoli, and interacts with p53 and retinoblastoma-1. It modulates p53 function, and inhibits cell growth in the Ras/Raf signaling pathway. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2011]
Research Articles on IFI16	**1.** The authors show that IFI16 is in complex with the H3K9 methyltransferase SUV39H1 and GLP and recruits them to the human herpesvirus 8 genome during de novo infection and latency. The resulting depositions of H3K9me2/me3 serve as a docking site for the heterochromatin-inducing HP1alpha protein leading into the IFI16-dependent epigenetic modifications and silencing of the virus lytic genes.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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