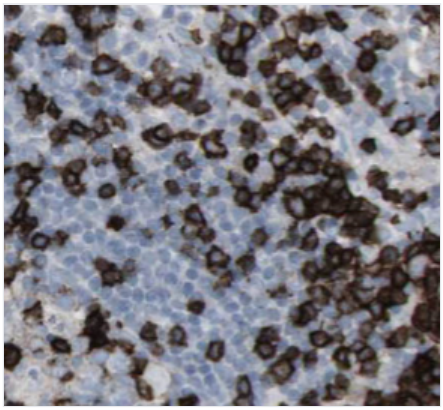
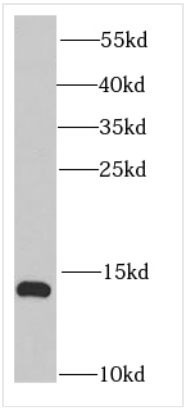
IFITM1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	IFITM1, Monoclonal Antibody
Full Product Name	IFITM1-Specific Mouse Monoclonal
Product Gene Name	anti-IFITM1 antibody
Clonality	Monoclonal
Isotype	IgG1
Host	Mouse
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>=95% as determined by SDS-PAGE Protein A+G purification
Preparation and Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20 degree C for 24 months (Avoid repeated freeze / thaw cycles.)
Molecular Weight	13,964 Da
OMIM	604456
Immunogen	Interferon induced transmembrane protein 1 (9-27)
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-IFITM1 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)
Related Product Information for anti-IFITM1 antibody	MBS7600374 is an antibody targeting IFITM1. Also known as IFITM1-Specific Mouse Monoclonal. Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-IFITM1 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.



Immunohistochemistry (IHC) of anti-IFITM1 antibody
Immunohistochemistry of paraffin-embedded human lymphoma tissue slide using MBS7600374 (IFITM1-Specific Antibody) at dilution of 1:50 heat mediated antigen retrieved with Tris-EDTA buffer (pH9) .



Western Blot (WB) of anti-IFITM1 antibody
K-562 cells were subjected to SDS PAGE followed by western blot with MBS7600374 (IFITM1-Specific Antibody) at dilution of 1:40000

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFITM1. It may not necessarily be applicable to this product.

NCBI GI #	150010589
NCBI GeneID	8519
NCBI Accession #	NP_003632.3
UniProt Secondary Accession #	Q15322; Q53XZ0
UniProt Related Accession #	P13164; AAB25699
GenBank Nucleotide #	NM_003641.3
NCBI Official Full Name	interferon-induced transmembrane protein 1
NCBI Official Synonym Full Names	interferon induced transmembrane protein 1
NCBI Official Symbol	IFITM1
NCBI Official Synonym Symbols	9-27; CD225; IFI17; LEU13; DSPA2a
UniProt Protein Name	Interferon-induced transmembrane protein 1
UniProt Synonym Protein Names	Dispanin subfamily A member 2a; DSPA2a; Interferon-induced protein 17; Interferon-inducible protein 9-27; Leu-13 antigen; CD_antigen: CD225
Protein Family	Interferon-induced transmembrane protein
UniProt Gene Name	IFITM1
UniProt Synonym Gene Names	CD225; IFI17; DSPA2a
UniProt Entry Name	IFM1_HUMAN
NCBI Protein Information	interferon-induced transmembrane protein 1
UniProt Comments for IFITM1	IFITM1: IFN-induced antiviral protein which inhibits the entry of viruses to the host cell cytoplasm, permitting endocytosis, but preventing subsequent viral fusion and release of viral contents into the cytosol. Active against multiple viruses, including influenza A virus, SARS coronavirus (SARS-CoV), Marburg virus (MARV), Ebola virus (EBOV), Dengue virus (DNV), West Nile virus (WNV), human immunodeficiency virus type 1 (HIV-1) and hepatitis C virus (HCV). Can inhibit: influenza virus hemagglutinin protein- mediated viral entry, MARV and EBOV GP1,2-mediated viral entry and SARS-CoV S protein-mediated viral entry. Also implicated in cell adhesion and control of cell growth and migration. Plays a key role in the antiproliferative action of IFN-gamma either by inhibiting the ERK activation or by arresting cell growth in G1 phase in a p53-dependent manner. Acts as a positive regulator of osteoblast differentiation. Belongs to the CD225/Dispanin family. Protein type: Membrane protein, multi-pass; Cell cycle regulation; Membrane protein, integral Chromosomal Location of Human Ortholog: 11p15.5 Cellular Component: integral to membrane; membrane; plasma membrane Molecular Function: protein binding; receptor signaling protein activity Biological Process: cell surface receptor linked signal transduction; defense response to virus; negative regulation of cell migration; negative regulation of cell proliferation; negative regulation of viral genome replication; negative regulation of virion penetration into host cell; ossification; positive regulation of osteoblast differentiation; regulation of immune response; response to virus
Research Articles on IFITM1	**1.** propose that the IFITM proteins act in a coordinated manner to restrict HCV infection by targeting the endocytosed HCV virion for lysosomal degradation and demonstrate that the actions of the IFITM proteins are indeed virus and cell-type specific

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