

For Research Use Only

# CoraLite® Plus 488-conjugated IFITM2-specific Monoclonal antibody



Catalog Number: CL488-66137

Featured Product

## Basic Information

<b>Catalog Number:</b> CL488-66137	<b>GenBank Accession Number:</b> NM_006435	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10581	<b>CloneNo.:</b> 3D5F7
<b>Source:</b> Mouse	<b>Full Name:</b> interferon induced transmembrane protein 2 (1-8D)	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG1	<b>Observed MW:</b> 15 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human

## Background Information

IFITM2, also named as 1-8D, belongs to the CD225 family. It is an IFN-induced antiviral protein that mediates cellular innate immunity to at least three major human pathogens, namely influenza A H1N1 virus, West Nile virus (WNV), and dengue virus (WNV), by inhibiting the early step(s) of replication. IFITM2 induces cell cycle arrest and mediates apoptosis by caspase activation and in p53-independent manner. It is overexpressed in colon carcinoma. IFITM2 is a novel pro-apoptotic gene that will provide new insights into the regulated cellular pathways to death. (PMID:19544527) This antibody is specific to IFITM2.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

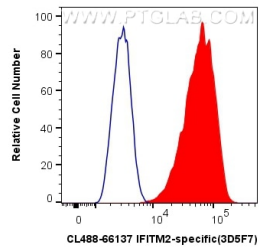
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human IFITM2-specific (CL488-66137, Clone:3D5F7) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).