

For Research Use Only

CoraLite®555-conjugated IFITM2/3 Monoclonal antibody

Catalog Number:CL555-66081

Featured Product



Basic Information

Catalog Number: CL555-66081	GenBank Accession Number: BC070243	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10410	CloneNo.: 2E8D12
Source: Mouse	Full Name: interferon induced transmembrane protein 3 (1-8U)	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Observed MW: 15-20 kDa	Excitation/Emission maxima wavelengths: 557 nm / 570 nm
Immunogen Catalog Number: AG17863		

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : U2OS cells,
Species Specificity: human	

Background Information

IFITM3, also named as interferon-inducible protein 1-8U, belongs to the CD225 family. It is 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, by inhibiting the early steps of replication. IFITM3 is identified as interferon-induced cellular proteins that restrict infections by retroviruses and filoviruses and of influenza virus and flaviviruses, respectively. IFITM3, the most potent antiviral IFITM, was found to inhibit an uncharacterized early infectious event after VSV endocytosis, but before primary transcription of its viral genome. IFITM proteins are viral restriction factors that can inhibit infection mediated by the influenza A virus (IAV) hemagglutinin (HA) protein. They differentially restrict the entry of a broad range of enveloped viruses, and modulate cellular tropism independently of viral receptor expression. This antibody recognizes both IFITM2 and IFITM3.

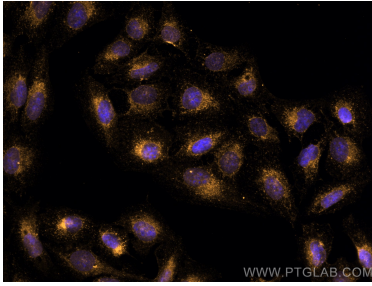
Storage

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

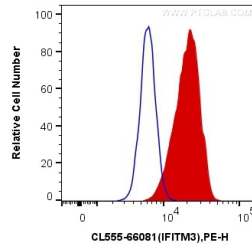
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CoraLite@555 IFITM2/3 antibody (CL555-66081, Clone: 2E8D12) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite@555 Anti-Human IFITM2/3 (CL555-66081, Clone:2E8D12) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).