

For Research Use Only

CoraLite®594-conjugated IFITM3 Recombinant antibody

Catalog Number: CL594-81135-3



Basic Information

Catalog Number:

CL594-81135-3

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2285

GenBank Accession Number:

BC006794

GeneID (NCBI):

10410

UNIPROT ID:

Q01628

Full Name:

interferon induced transmembrane
protein 3 (1-8U)

Calculated MW:

133 aa, 15 kDa

Observed MW:

15-20 kDa

Purification Method:

Protein A purification

CloneNo.:

242056C9

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima
wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

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.

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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

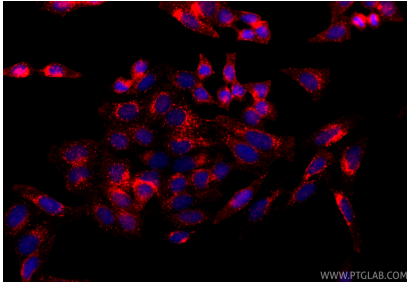
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite®594 IFITM3 antibody (CL594-81135-3, Clone: 242056C9) at dilution of 1:200.