CoraLite® Plus 488-conjugated IFITM1-Specific Monoclonal antibody

Catalog Number: CL488-60074   Featured Product

Basic Information

Catalog Number:
CL488-60074

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG2320

GenBank Accession Number:
BC000897

GeneID (NCBI):
8519

Full Name:
interferon induced transmembrane protein 1 (9-27)

Calculated MW:
14 kDa

Observed MW:
14 kDa, 17 kDa

Purification Method:
Protein A purification

CloneNo.:
5B5E2

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human

Positive Controls:
IF/ICC : K-562 cells,

Background Information

IFITM1(interferon induced transmembrane protein), also named DSPA2a and interferon-induced protein 17 (IFI17), belongs to the CD225 family. It has two transmembrane domain and serves as an IFN-induced antiviral protein that mediates cellular innate immunity to at least three major human pathogens, influenza A H1N1 virus, West Nile virus (WNV), and dengue virus , by inhibiting the early steps of replication. IFITM proteins are recently identified as viral restriction factors that inhibit infection mediated by the influenza A virus (IAV) hemagglutinin (HA) protein. Also they serve as important components of the innate immune system to restrict HIV-1 infection. 60074-1-Ig is a mouse monoclonal antibody which specifically recognizing IFITM1 but not IFITM2 or IFITM3.

Storage

Storage:
Store at -20℃. 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.
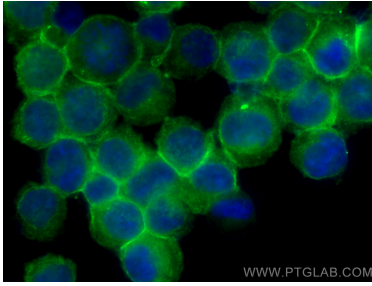Aliquoting is unnecessary for -20°C storage

Selected Validation Data

Immunofluorescent analysis of (4% PFA) fixed K-562 cells using CoraLite® Plus 488 IFITM1-Specific antibody (CL488-60074, Clone: 5B5E2) at dilution of 1:200.