

For Research Use Only

CoraLite® Plus 488-conjugated MAVS; VISA Recombinant antibody

Catalog Number: CL488-81910



Basic Information

Catalog Number:

CL488-81910

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5655

GenBank Accession Number:

BC044952

GeneID (NCBI):

57506

UNIPROT ID:

Q7Z434

Full Name:

mitochondrial antiviral signaling

protein

Calculated MW:

57 kDa

Observed MW:

75 kDa

Purification Method:

Protein A purification

CloneNo.:

7F14

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

Background Information

Mitochondrial antiviral-signaling protein (MAVS) is also known as virus-induced-signaling adapter (VISA) or IFN- β promoter stimulator protein 1 (IPS-1), it is widely involved and required for innate immune defense against viruses. MAVS, present in T cells, monocytes, epithelial cells and hepatocytes, contains CARD and transmembrane domains which are essential for antiviral functions. MAVS is able to interact with various cellular proteins including DDX58/RIG-I, IFIH1/MDA5, TRAF2, TRAF6, TMEM173/MLA, IFIT3 and etc. It can undergo phosphorylation on multiple sites and ubiquitination, which may together cause the molecular weight migrate to about 70 kDa despite the predicated 57 kDa.

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:

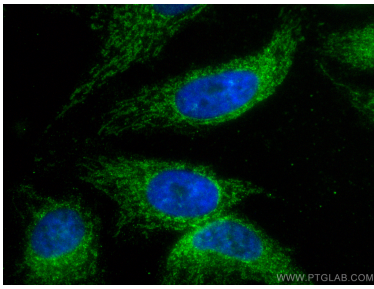
T: 4006900926

E: Proteintech-CN@ptglab.com

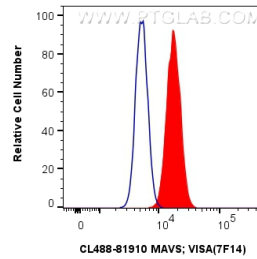
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Coralite® Plus 488 MAVS; VISA antibody (CL488-81910, Clone: 7F14) at dilution of 1:100.



1x10⁶ U2OS cells were intracellularly stained with 0.4 ug Coralite® Plus 488-conjugated MAVS; VISA Recombinant antibody (CL488-81910, Clone:7F14)(red), or 0.4 ug Coralite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).