

CoraLite® Plus 647-conjugated TMEM173/STING Recombinant antibody

Catalog Number: **CL647-80165****1 Publications**

Basic Information

Catalog Number:

CL647-80165

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13921

GenBank Accession Number:

BC047779

GeneID (NCBI):

340061

UNIPROT ID:

Q86WW6

Full Name:

transmembrane protein 173

Calculated MW:

379 aa, 42 kDa

Observed MW:

37 kDa

Purification Method:

Protein A purification

CloneNo.:

7K7

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima
wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

IF-P

Cited Applications:

IF

Species Specificity:

Human, Mouse, Rat

Cited Species:

rat

Positive Controls:

IF-P : human tonsillitis tissue,

Background Information

Stimulator of interferon genes (STING, also known as ERIS, MITA and MPYS, and encoded by TMEM173) is a transmembrane adaptor protein that facilitates innate immune signaling (PMID: 18724357). STING is widely expressed in various cell types such as endothelial cells, epithelial cells, T cells, macrophages, and dendritic cells (PMID: 26603901). It is predominantly located in the endoplasmic reticulum (ER). STING functions as a sensor of cytosolic DNA and promotes the production of type I interferons and pro-inflammatory cytokines.

Notable Publications

Author	Pubmed ID	Journal	Application
Hui Zhang	37720090	iScience	IF

Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

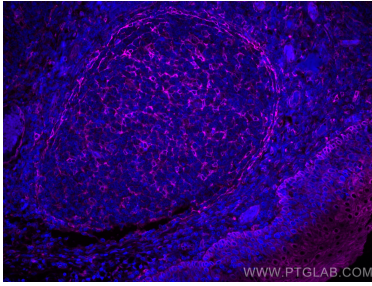
For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.comW: ptgcn.com

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 human tonsillitis tissue using Coralite® Plus 647 TMEM173/STING antibody (CL647-80165, Clone: 7K7) at dilution of 1:200.