

For Research Use Only

# CoraLite®594-conjugated TMEM173/STING Polyclonal antibody

Catalog Number:CL594-19851

Featured Product

2 Publications



## Basic Information

Catalog Number:

CL594-19851

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13921

GenBank Accession Number:

BC047779

GeneID (NCBI):

340061

UNIPROT ID:

Q86WV6

Full Name:

transmembrane protein 173

Calculated MW:

379 aa, 42 kDa

Observed MW:

35-40 kDa, 80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P: 1:50-1:500

IF/ICC: 1:50-1:500

FC (Intra): 0.80 µg per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF/ICC, IF-P, FC (Intra)

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

IF-P: human tonsillitis tissue,

IF/ICC: HT-29 cells, human tonsillitis tissue, HepG2 cells

FC (Intra): THP-1 cells,

## 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
Zhou Ye	38666508	Mol Pharm	FC
Xingfei Zhu	37217935	J Neuroinflammation	IF

## 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:

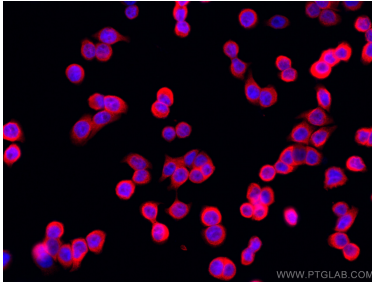
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

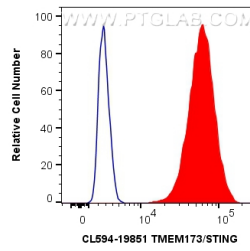
W: [ptgcn.com](http://ptgcn.com)

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 HT-29 cells using CoraLite®594 TMEM173/STING antibody (CL594-19851) at dilution of 1:200.



1X10<sup>6</sup> THP-1 cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human TMEM173/STING (CL594-19851) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).