

For Research Use Only



CoraLite® Plus 647-conjugated TMEM173/STING Recombinant antibody

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

Basic Information

Catalog Number: CL647-80165	GenBank Accession Number: BC047779	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 340061	CloneNo.: 7K7
Source: Rabbit	UNIPROT ID: Q86WW6	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG	Full Name: transmembrane protein 173	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: AG13921	Calculated MW: 379 aa, 42 kDa	
	Observed MW: 37 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF : human tonsillitis tissue,
Cited Applications: IF	
Species Specificity: Human, Mouse, Rat	
Cited Species: rat	

Background Information

Stimulator of interferon genes (STING, also known as ERI5, 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

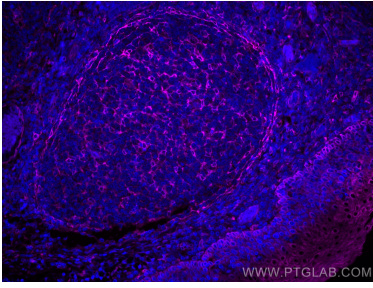
Storage

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.com W: 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.