

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	GenBank Accession Number: BC047779	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 340061	Recommended Dilutions: IF-P 1:50-1:500 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q86WW6	Excitation/Emission maximum wavelengths: 588 nm / 604 nm
Isotype: IgG	Full Name: transmembrane protein 173	
Immunogen Catalog Number: AG13921	Calculated MW: 379 aa, 42 kDa	
	Observed MW: 35-40 kDa, 80 kDa	

Applications

Tested Applications: IF/ICC, IF-P, FC (Intra)	Positive Controls: IF-P : human tonsillitis tissue, IF/ICC : HT-29 cells, human tonsillitis tissue, HepG2 cells
Cited Applications: IF	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

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

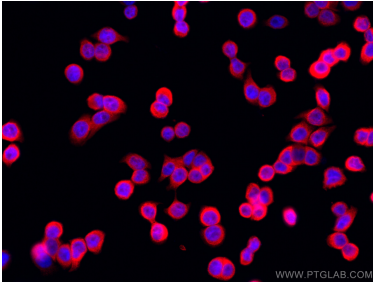
Storage

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, pH 7.3.
Aliquoting is unnecessary for -20°C storage

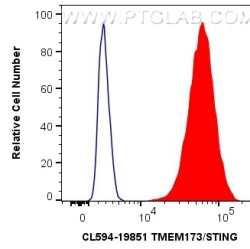
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is 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.



1X10⁶ 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).