

For Research Use Only



CoraLite®555-conjugated TMEM173/STING Recombinant antibody

Catalog Number:CL555-80165

Basic Information

Catalog Number: CL555-80165	GenBank Accession Number: BC047779	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 340061	CloneNo.: 7K7
Source: Rabbit	UNIPROT ID: Q86WV6	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG	Full Name: transmembrane protein 173	Excitation/Emission maxima wavelengths: 557 nm / 570nm
Immunogen Catalog Number: AG13921	Calculated MW: 379 aa, 42 kDa	
	Observed MW: 37 kDa	

Applications

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

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.

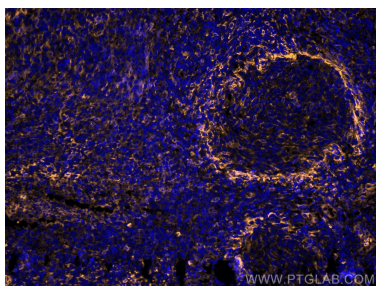
Storage

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

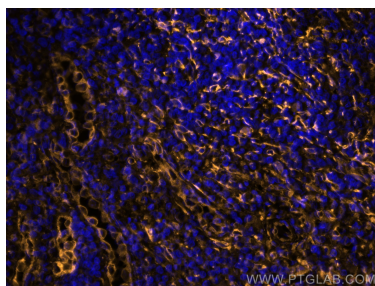
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®555 TMEM173/STING antibody (CL555-80165, Clone: 7K7) at dilution of 1:200.



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