

For Research Use Only

# CoraLite® Plus 488-conjugated TMEM173/STING Recombinant antibody

Catalog Number: CL488-80165



## Basic Information

<b>Catalog Number:</b> CL488-80165	<b>GenBank Accession Number:</b> BC047779	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 340061	<b>CloneNo.:</b> 7K7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q86WW6	<b>Recommended Dilutions:</b> IF-P 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> transmembrane protein 173	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG13921	<b>Calculated MW:</b> 379 aa, 42 kDa	
	<b>Observed MW:</b> 37 kDa	

## Applications

<b>Tested Applications:</b> IF-P	<b>Positive Controls:</b> IF-P : human tonsillitis tissue,
<b>Species Specificity:</b> Human, Mouse, 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.

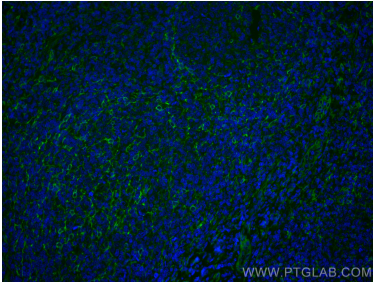
## Storage

**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

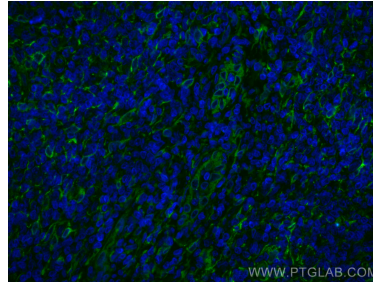
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite® Plus 488 TMEM173/STING antibody (CL488-80165, Clone: 7K7) at dilution of 1:200.



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