

CoraLite® Plus 488-conjugated TMEM173/STING Recombinant antibody

Catalog Number: **CL488-80165**

Basic Information

Catalog Number: CL488-80165	GenBank Accession Number: BC047779	Purification Method: Protein A purification
Size: 1000 µg/ml	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: 493 nm / 522 nm
Immunogen Catalog Number: AG13921	Calculated MW: 379 aa, 42 kDa	
	Observed MW: 37 kDa	

Applications

Tested Applications:
IF-P

Species Specificity:
Human, Mouse, Rat

Positive Controls:

IF-P : human tonsillitis tissue,

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:

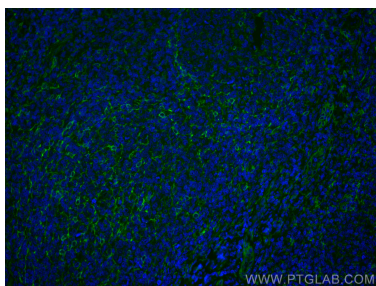
Store at -20°C. Avoid exposure to light.

Storage Buffer:

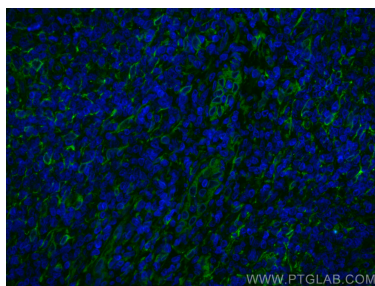
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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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