

For Research Use Only

CoraLite® Plus 488-conjugated ITK Monoclonal antibody



Catalog Number: **CL488-67703**

Basic Information

Catalog Number: CL488-67703	GenBank Accession Number: BC109077	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3702	CloneNo.: 1F9D8
Source: Mouse	Full Name: IL2-inducible T-cell kinase	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 620 aa, 72 kDa	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Immunogen Catalog Number: AG17087	Observed MW: 70 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : Jurkat cells,
Species Specificity: Human	

Background Information

ITK is a member of Tec family (BTK, ITK, Tec, BMX and RLK), which expressed in normal T-lymphocytes and T-cell associated hematopoietic malignancies and have confirmed its critical role in regulating T lymphocyte function in EBV-driven lymphoproliferative disease and immune-mediated disorders. Tec kinase family members shares similarities structure, consisting of PH domain, SH3 domain, SH2 domain and kinase domain. Loss of function mutations in ITK results in hypogammaglobulinemia and CD4+ T cell loss in humans, and the patients often present with EBV-associated B cell lymphoproliferative syndrome (PMID: 30814910, PMID: 31025232).

Storage

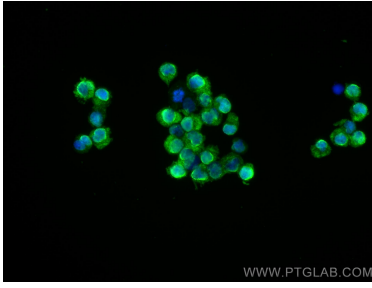
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

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
W: ptglab.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 Jurkat cells using CoraLite® Plus 488 ITK antibody (CL488-67703, Clone: 1F9D8) at dilution of 1:200.