

For Research Use Only

ITK Monoclonal antibody, PBS Only

Catalog Number: 67703-1-PBS



Basic Information

Catalog Number: 67703-1-PBS	GenBank Accession Number: BC109077	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3702	CloneNo.: 1F9D8
Source: Mouse	UNIPROT ID: Q08881	
Isotype: IgG2a	Full Name: IL2-inducible T-cell kinase	
Immunogen Catalog Number: AG17087	Calculated MW: 620 aa, 72 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications:
WB, IF, Indirect ELISA

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

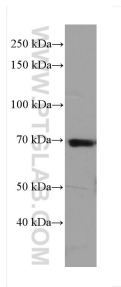
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

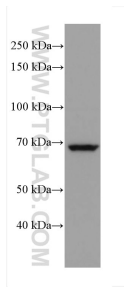
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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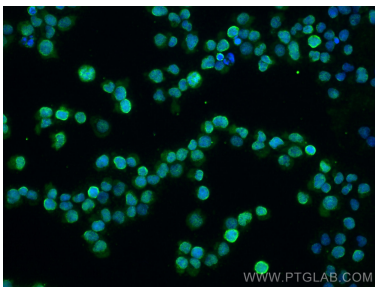
Selected Validation Data



PBMC cells were subjected to SDS PAGE followed by western blot with 67703-1-Ig (ITK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67703-1-PBS in a different storage buffer formulation.



Jurkat cells were subjected to SDS PAGE followed by western blot with 67703-1-Ig (ITK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67703-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using ITK antibody (67703-1-Ig, Clone: 1F9D8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67703-1-PBS in a different storage buffer formulation.