

For Research Use Only

TCIRG1 Recombinant antibody

Catalog Number: 83351-6-RR



Basic Information

Catalog Number: 83351-6-RR	GenBank Accession Number: BC018133	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10312	CloneNo.: 240166B2
Source: Rabbit	UNIPROT ID: Q13488	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: T-cell, immune regulator 1, ATPase, H ⁺ transporting, lysosomal VO subunit A3	
Immunogen Catalog Number: AG3378	Calculated MW: 830 aa, 93 kDa	
	Observed MW: 116 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : SKOV-3 cells, HepG2 cells, Jurkat cells, Daudi cells
Species Specificity: Human	

Background Information

TCIRG1, also known as V ATPase 116 kDa isoform a3, TIRC7, OPTB1, belongs to the V-ATPase 116 kDa subunit family, TCIRG1 seems to be directly involved in T-cell activation (PubMed:10329006). Alternative splicing results in multiple transcript variants. Isoform long is highly expressed in osteoclastomas. Isoform short is highly expressed in thymus (PMID: 15809087, 24753205). Mutations in TCIRG1 are associated with Osteopetrosis, autosomal recessive 1 (OPTB1) (PMID: 11532986).

Storage

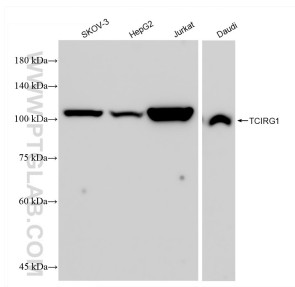
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

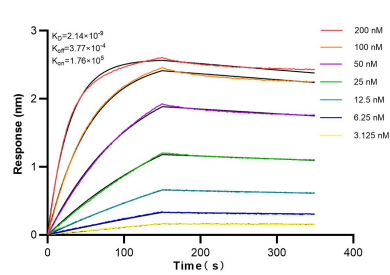
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83351-6-RR (TCIRG1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83351-6-RR against Human TCIRG1 were performed. The affinity constant is 2.14 nM.