

For Research Use Only

IL-2 Recombinant antibody

Catalog Number:83547-3-RR



Basic Information

Catalog Number: 83547-3-RR	GenBank Accession Number: NM_008366	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 16183	CloneNo.: 240358B1
Source: Rabbit	UNIPROT ID: P04351	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: interleukin 2	
	Calculated MW: 19 kDa	
	Observed MW: 15 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : PMA(50ng/ml)+iono(500ng/ml) 6h +Bref A 18h EL-4 cells,
Species Specificity: mouse	

Background Information

Interleukin-2 (IL2) is a protein initially identified as a T cell growth factor. IL2 is mainly produced by activated CD4+CD25- (helper) T cells, and induces the proliferation of these and others cells like CD8+ T cells, B and NK cells. For this reason, it has been used to treat immune-deficiencies like HIV, and induce immune response against tumors. Nevertheless, it has been shown that IL2 also acts as the main growth factor of CD4+CD25+ Regulatory T cells. Interleukin 2 mediates its functions in the target cell through the interleukin 2 receptor (IL2R). IL2R is a multimeric functional protein consisting of three different chains: IL2R α , IL2R β and γ c.

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

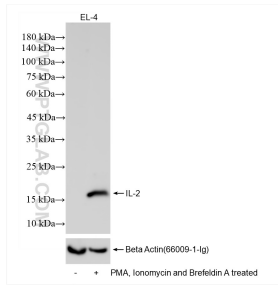
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

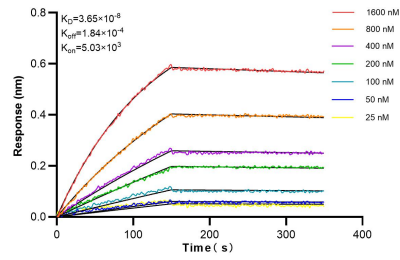
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Untreated, PMA, Ionomycin and Brefeldin A treated EL-4 cells were subjected to SDS PAGE followed by western blot with 83547-3-RR (IL-2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83547-3-RR against Mouse IL-2 were performed. The affinity constant is 36.5 nM.