

For Research Use Only

Mouse IL-2 Recombinant antibody, PBS Only

Catalog Number: 83547-3-PBS



Basic Information

Catalog Number:

83547-3-PBS

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0762

GenBank Accession Number:

NM_008366

GeneID (NCBI):

16183

UNIPROT ID:

P04351

Full Name:

interleukin 2

Calculated MW:

19 kDa

Observed MW:

15 kDa

Purification Method:

Protein A purification

CloneNo.:

240358B1

Applications

Tested Applications:

WB, Indirect ELISA

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

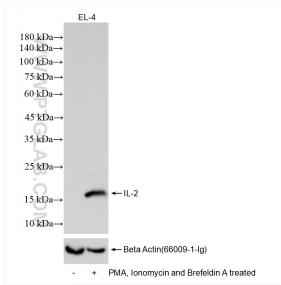
T: 4006900926

E: Proteintech-CN@ptglab.com

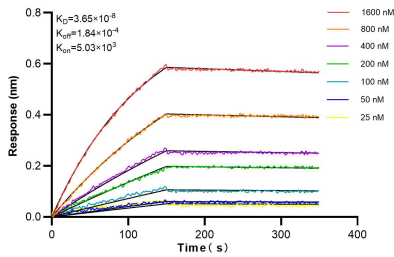
W: ptgcn.com

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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. This data was developed using the same antibody clone with 83547-3-PBS in a different storage buffer formulation.



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