

For Research Use Only

# IL-2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 83558-5-PBS



## Basic Information

Catalog Number:

83558-5-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0828

GenBank Accession Number:

BC070338

GeneID (NCBI):

3558

UNIPROT ID:

P60568

Full Name:

interleukin 2

Calculated MW:

153 aa, 18 kDa

Observed MW:

15 kDa

Purification Method:

Protein A purification

CloneNo.:

240416H3

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

## Background Information

IL2 is a secreted cytokine involved in the operation and regulation of immune system. IL2 plays a pivotal role in T-cell activation and effector functions, including T cell proliferation, interferon- $\gamma$  production and cytotoxicity. IL2 can stimulate the propagation of lymphocytes and induce the cytotoxic T lymphocytes and lymphokine-activated killer cells for tumor cells. IL2 also influences memory T cell homeostasis through the regulation of memory T cell numbers and enhances major histocompatibility complex II (MHC II) expression on tumor cells.

## 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:

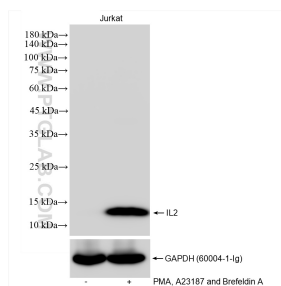
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

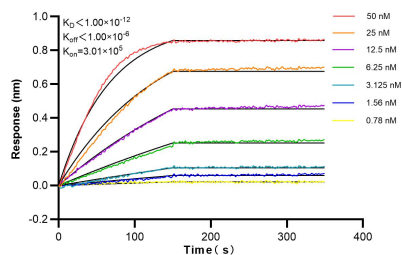
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Untreated, PMA, A23187 and Brefeldin A treated Jurkat cells were subjected to SDS PAGE followed by western blot with 83558-5-RR (IL2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83558-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83558-5-RR against Human IL-2 were performed. The affinity constant is below 1 pM.