

For Research Use Only

IL-10 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86547-4-PBS



Basic Information

Catalog Number:

86547-4-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3296

GenBank Accession Number:

NM_000572.3

GeneID (NCBI):

3586

UNIPROT ID:

P22301

Full Name:

interleukin 10

Calculated MW:

21 kDa

Observed MW:

22 kDa

Purification Method:

Protein A purification

CloneNo.:

250059B8

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

Interleukin (IL)-10 is an anti-inflammatory cytokine, produced by T helper (Th) cells, macrophages, monocytes, and B cells, that plays a crucial role in preventing inflammatory and autoimmune pathologies. It downregulates the expression of Th1 cytokines, MHC class II antigens, and co-stimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. IL-10 can block NF- κ B activity, and is involved in the regulation of the JAK-STAT signaling pathway. IL-10, along with its receptors, describes an important role in pathogenesis of various diseases, including infectious, inflammatory, autoimmune diseases. IL-10 mutations are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.

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:

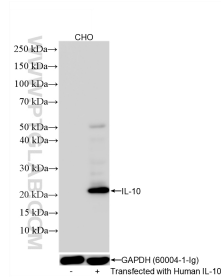
T: 4006900926

E: Proteintech-CN@ptglab.com

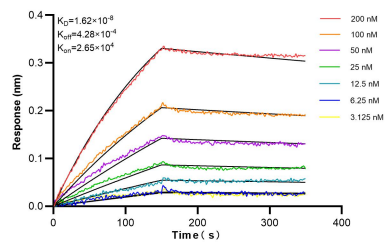
W: ptgcn.com

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Selected Validation Data



Transfected with Human IL-10 CHO cells were subjected to SDS PAGE followed by western blot with 86547-4-RR (IL-10 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86547-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86547-4-RR against Human IL-10 were performed. The affinity constant is 16.2 nM.