

Biotinylated Human IL-2 Monoclonal Antibody, Rabbit MAb $\square$ DET $\square$

Catalog No.: RM17591

Basic Information

Catalog No.
RM17591

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
< 1.0 EU/ μ g of the protein by LAL method.

Storage
Store at -20°C.
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2 μ m filtered solution in PBS with 0.05% Proclin300, PH 7.4.

Contact

 | order@abclonal.com

 | support@abclonal.com

 | www.abclonal.com

Background

This gene is a member of the interleukin 2 (IL2) cytokine subfamily which includes IL4, IL7, IL9, IL15, IL21, erythropoietin, and thrombopoietin. The protein encoded by this gene is a secreted cytokine produced by activated CD4+ and CD8+ T lymphocytes, that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine (IL2R) is a heterotrimeric protein complex whose gamma chain is also shared by IL4 and IL7. The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.

Immunogen Information

Immunogen
Recombinant Human IL2 Protein
Ala21-Thr153
Accession #P60568

Cross-Reactivity

No cross-reactivity in ELISA with recombinant
rmIL-2,rrIL-2,rhIL-2R,rhIL-1a,rhIL-1b,rhIL-2Ra,rhIL-4,rhIL-7,rhIL-9,rhIL-15

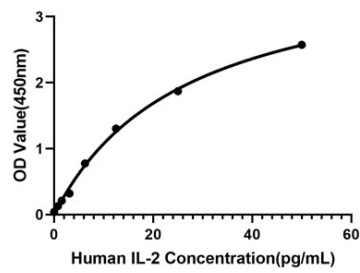
Assay Applications

Human IL-2 Sanwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	2-8ug/mL	Human IL-2 Monoclonal Antibody, Rabbit MAb $\square$ CAP $\square$ (Cat. No. RM17589)
ELISA Detection	0.15-0.5ug/mL	Biotinylated Human IL-2 Monoclonal Antibody, Rabbit MAb $\square$ DET $\square$ (Cat. No. RM17591)
Standard	0.78-50pg/mL	Recombinant Human IL2 Protein(Cat. No. RP01039)

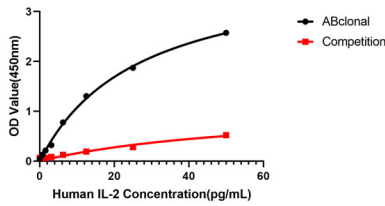
Validation Data

Human IL-2 ELISA Kit



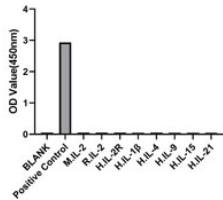
This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

Human IL-2 ELISA Kit



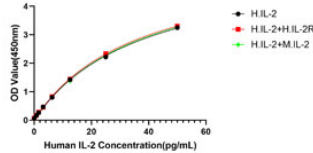
From the comparison of the standard curve, it is found that ABclonal has high sensitivity.

Specificity

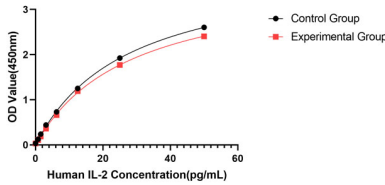


No significant cross-reactivity or interference was observed.

Interference effect



Stability



Placed at 37°C for 3 days, the stability of the standard curve all conform to CV <10%.