Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human IL-2 mAb (DET)

Catalog No.: RM17590

Basic Information

Catalog No.
RM17590

Catagory
Elisa Antibody Kit

Application
ELISA,Multiplex,CLIA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

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

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2 μm filtered solution in PBS with 0.05% Proclin 300, pH 7.4.

Contact

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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 IL-2 Protein

Cross-Reactivity

No cross-reactivity in ELISA with recombinant hG-CSF□hGM-CSF□hIL-1β□hIL-1α□hIL-2R□hIL-3□hIL-4□hIL-6□hIL-8□hTGF-β 1□hTNF-α□mIL-1β□mIL-2□mIL-6□mIL-4□mIL-5 □mIL-2

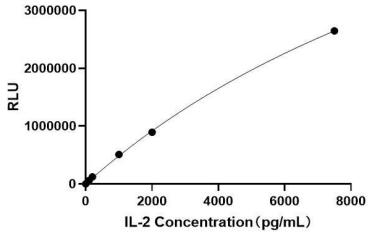
Assay Applications

Human IL-2 Sanwich Immunoassay

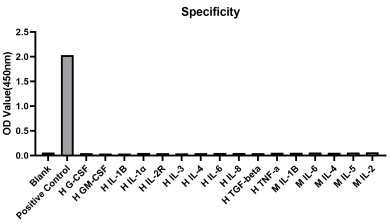
		Recommended Concentration	Sample
ELISA	Capture	2-8 μg/mL	Rabbit anti-Human IL-2 mAb (Cat. No. RM17589)
	Detection	0.15-0.6 μg/mL	Rabbit anti-Human IL-2 mAb (Cat. No. RM17590)
	Standard	15.63-1000 pg/mL	Recombinant Human IL-2 Protein

CLIA	Capture	1-4 μg/mL	Rabbit anti-Human IL-2 mAb (Cat. No. RM17589)
	Detection	0.5-2 μg/mL	Rabbit anti-Human IL-2 mAb (Cat. No. RM17590)
	Standard	2.5-7500 pg/mL	Recombinant Human IL-2 Protein

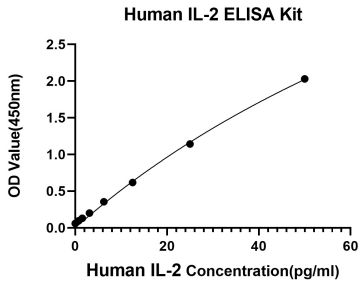
Validation Data



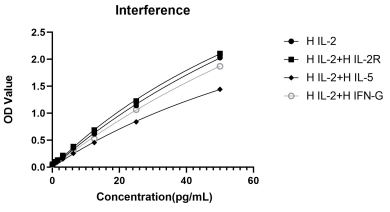
This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.



No significant cross-reactivity or interference was observed.



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