Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human IL-2R mAb (CAP□

Catalog No.: RM17896

Basic Information

Catalog No.
RM17896

Catagory
Elisa Antibody Kit

Application
ELISA,CLIA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

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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www.abclonal.com

Background

The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolyisis. Alternately-spliced IL2RA mRNAs have been isolated, but the significance of each is presently unknown. Mutations in this gene are associated with interleukin 2 receptor alpha deficiency. Patients with severe Coronavirus Disease 2019 (COVID-19), the disease caused by the novel severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), have significantly elevated levels of IL2R in their plasma. Similarly, serum IL-2R levels are found to be elevated in patients with different types of carcinomas. Certain IL2RA and IL2RB gene polymorphisms have been associated with lung cancer risk.

Immunogen Information

Immunogen
Recombinant human IL-2R alpha Protein

Cross-Reactivity

No cross-reactivity in ELISA with recombinant
Human IFN-γ, Human IL-1α, Human IL-1β, Human IL-1Ra, Human IL-2, Human IL-3, Human IL-4, Human IL-5, Human IL-6, Human IL-8, Human IL-9, Human IL-10, Human IL-11, Human IL-12, Human IL-13, Human M-CSF, Human TGF-β1, Human TNF-α, Mouse IL-1β, Mouse IL-4, Mouse IL-5, Mouse IL-6, Mouse IL-9, Mouse IL-10, Mouse IL-13, Mouse TNF-α

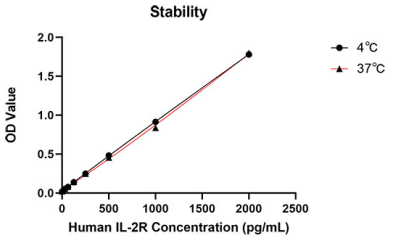
Assay Applications

Human IL-2R Sandwich Immunoassay

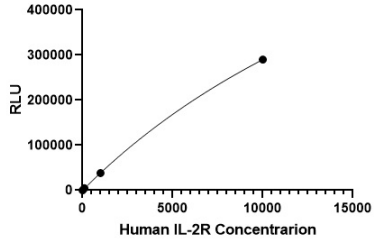
		Recommended Concentration	Sample
ELISA	Capture	1-4 μg/mL	Rabbit anti-Human IL-2R mAb (Cat. No. RM17896)
	Detection	0.01-0.04 μg/mL	Rabbit anti-Human IL-2R mAb (Cat. No. RM17897)
	Standard	31.25-2000 pg/mL	Recombinant Human IL-2R Protein

CLIA	Capture	1-4 μg/mL	Rabbit anti-Human IL-2R mAb (Cat. No. RM17896)
	Detection	0.5-2 μg/mL	Rabbit anti-Human IL-2R mAb (Cat. No. RM17897)
	Standard	0.5-10000 pg/mL	Recombinant Human IL-2R Protein

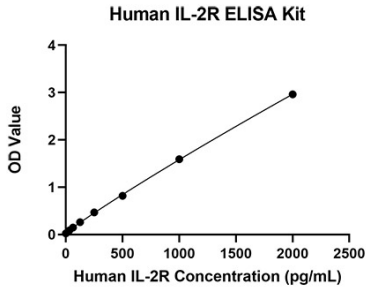
Validation Data



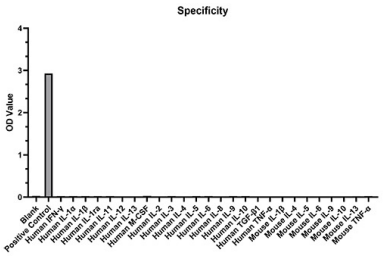
Placed at 37°C for 3 days, the stability of the standard curve all conformto CV <10%.



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

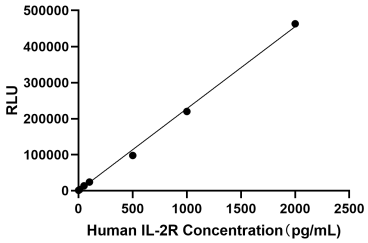


This standard curve is only for demonstration purposes. A standard curve should be generated for eachassay.



No significant cross-reactivity or interference was observed.

Validation Data



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