

# Rabbit anti-Human IL-2R mAb (CAP)

**Catalog No.: RM17896**

## Basic Information

**Catalog No.**  
RM17896

**Category**  
Elisa Antibody Kit

**Application**  
ELISA, CLIA

## Product Information

**Ig Type**  
Rabbit IgG

**Purification**  
Affinity purification

**Endotoxin Level**

**Storage**  
Store at -20°C.  
**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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 | [support@abclonal.com](mailto:support@abclonal.com)

 | [www.abclonal.com](http://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 proteolysis. 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

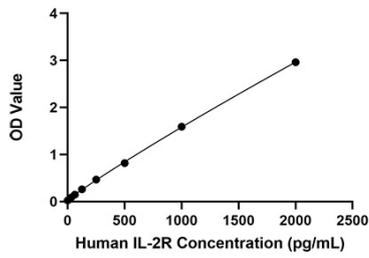
Human IL-2R Sandwich Immunoassay

		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

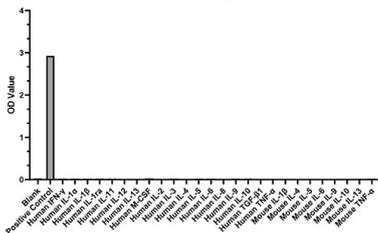
# Validation Data

Human IL-2R ELISA Kit



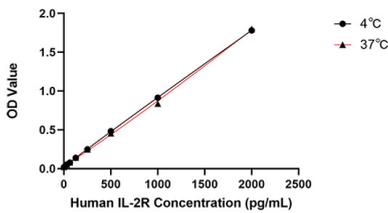
This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

Specificity

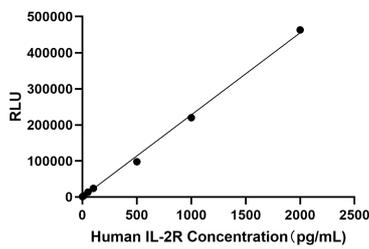


No significant cross-reactivity or interference was observed.

Stability



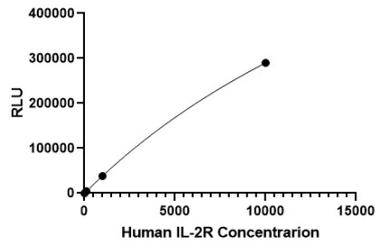
Placed at 37°C for 3 days, the stability of the standard curve all conform to CV <10%.



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