Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human IL-2R mAb

Catalog No.: RM17892

Basic Information

Catalog No.
RM17892

Catagory
Elisa Antibody Kit

Application
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 0.2μm filtered solution in PBS with 0.05% Proclin300, PH 7.4.

Contact

order@abclonal.com

support@abclonal.com

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

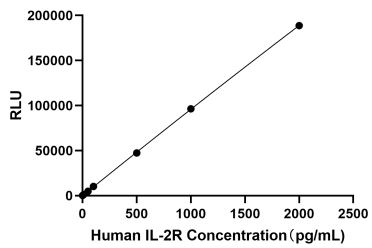
Cross-Reactivity

Assay Applications

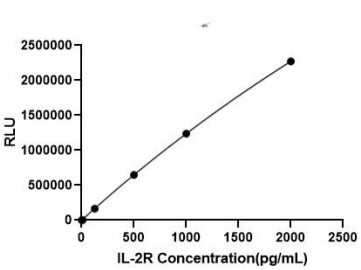
Human IL-2R Sandwich Immunoassay

		Recommended Concentration	Sample
CLIA	Capture	1-4ug/mL	Rabbit anti-Human IL-2R mAb(Cat. No.RM17892)
	Detection	0.5-2ug/mL	Rabbit anti-Human IL-2R mAb(Cat. No.RM17893)
	Standard	5-2000pg/mL	Recombinant Human IL-2R Protein

Validation Data



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



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