

IL-2 Receptor alpha Rabbit pAb

db5752

Package : 20µL 50µL 100µL

Product Name : IL-2 Receptor alpha Rabbit pAb**Cat.No.:** db5752**Synonyms** : p55; CD25; IL2R; IMD41; TCGFR; IDDM10; IL-2R α **Application** : WB, IHC, ICC/IF**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**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. [provided by RefSeq, Jul 2020]

Immunogen

A synthetic peptide of human IL-2 Receptor alpha

Gene ID

3559, 16184, 25704

Swiss Prot

P01589, P01590, P26897

Synonymsp55; CD25; IL2R; IMD41; TCGFR; IDDM10; IL-2R α **Reactivity**

Human, Mouse, Rat

Application

WB, IHC, ICC/IF

Recommended dilutionWB: 1:1000
IHC: 1:200
ICC/IF: 1:200**Calculated MW**

31 kDa

Observed MW

40-80 kDa

Host species

Rabbit

Clonality	Polyclonal
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.