

A23711

Leader in Biomolecular Solutions for Life Science



# APC Rabbit anti-Human CD25 mAb

Catalog No.: A23711

## Basic Information

### Observed MW

**Calculated MW**  
31kDa

### Category

SMab Recombinant Monoclonal Antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

ARC58046-APC

### Conjugate

APC. Ex:650nm. Em:660nm.

## 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.

## Recommended Dilutions

**FC** 5  $\mu$ l per  $10^6$  cells in  
100  $\mu$ l volume

## Immunogen Information

**Gene ID**  
3559

**Swiss Prot**  
P01589

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 22-213 of human CD25 (NP\_000408.1).

### Synonyms

p55; CD25; IL2R; IMD41; TCGFR; IDDM10

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

**Source**  
Rabbit

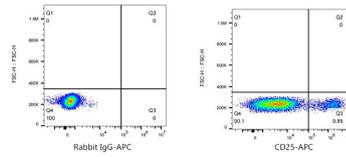
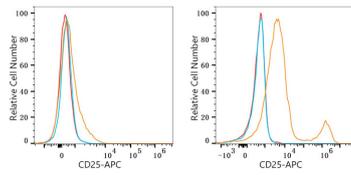
**Isotype**  
IgG

**Purification**  
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.  
Buffer: PBS with 0.03% proclin300, 0.2% BSA, pH7.3.

## Validation Data



Flow cytometry:  $1 \times 10^6$  293T cells (negative control, left) and 293T (Transfection, right) cells were surface-stained with APC Rabbit anti-Human CD25 mAb (A23711, 5  $\mu$ l/Test, orange line) or APC Rabbit IgG isotype control (5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  293T (Transfection) cells were surface-stained with APC Rabbit IgG isotype control (5  $\mu$ l/Test, left) or APC Rabbit anti-Human CD25 mAb (A23711, 5  $\mu$ l/Test, right).