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APC Rabbit anti-Human/Monkey CD25 mAb

Catalog No.: A26774

Basic Information

Observed MW

Calculated MW
31kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human, Cynomolgus

CloneNo number
ARC58045

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 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.

Recommended Dilutions

FC	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
3559

Swiss Prot
P01589

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
p55; CD25; IL2R; IMD41; TCGFR; IDDM10

Contact

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Product Information

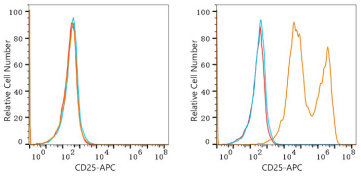
Source
Rabbit

Isotype
IgG

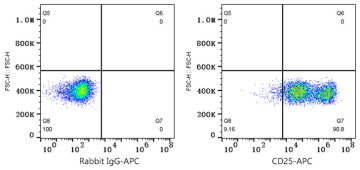
Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

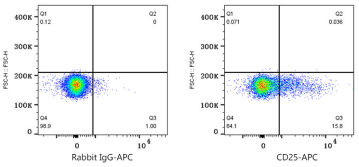
Validation Data



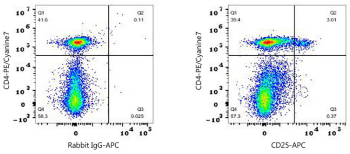
Flow cytometry: 1X10^6 293T cells (negative control,left) and 293T (Transfection,right) cells were intracellularly-stained with APC Rabbit anti-Human CD25 mAb (A26774,5 µl/Test,orange line) or APC Rabbit IgG isotype control (A24173,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 293T (Transfection) cells were surface-stained with APC Rabbit IgG isotype control (A24173,5 µl/Test,left) or APC Rabbit anti-Human CD25 mAb (A26774,5 µl/Test,right).



Flow cytometry: 1X10^6 Human PBMC were surface-stained with APC Rabbit IgG isotype control (A24173,5 µl/Test,left) or APC Rabbit anti-Human CD25 mAb (A26774,5 µl/Test,right).Cells in the Lymphocytes gate were used for analysis.



Flow cytometry:1X10^6 Cynomolgus PBMC were surface-stained with PE/Cyanine7 Rabbit anti-Human/Monkey CD4 mAb (A27112,5 µl/Test) and APC Rabbit IgG isotype control (A24173,5 µl/Test,left) or APC Rabbit anti-Human/Monkey CD25 mAb (A26774,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.