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# ABflo® 488 Rabbit anti-Human/Monkey CD25 mAb

Catalog No.: A23169

# **Basic Information**

## **Observed MW**

Refer to figures

## **Calculated MW**

31kDa

# Category

Primary antibody

## **Applications**

FC

## **Cross-Reactivity**

Human, Cynomolgus

#### CloneNo number

ARC58045

## Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

# **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**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

# **Validation Data**









Flow cytometry:1X10^6 Cynomolgus PBMC were surface-stained with PE/Cyanine7 Rabbit anti-Human/Monkey CD4 mAb (A27112,5 µl/Test) and ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human/Monkey CD25 mAb (A23169,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.

Flow cytometry:1X10^6 Human PBMC were surface-stained with PE/Cyanine7 Rabbit anti-Human/Monkey CD4 mAb (A27112,5 µl/Test) and ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human/Monkey CD25 mAb (A23169,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.