

# ABflo® 488 Rabbit anti-Human/Monkey CD4 mAb

Catalog No.: A22773 1 Publications

# **Basic Information**

#### **Observed MW**

Refer to figures

### **Calculated MW**

51kDa

# Category

Primary antibody

### **Applications**

FC

### **Cross-Reactivity**

Human, Cynomolgus

### CloneNo number

ARC5142-01

### Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

# **Background**

This gene encodes the CD4 membrane glycoprotein of T lymphocytes. The CD4 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class II MHC molecules. The CD4 antigen is also a primary receptor for entry of the human immunodeficiency virus through interactions with the HIV Env gp120 subunit. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, granulocytes, as well as in various regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in this gene.

# **Recommended Dilutions**

FC

5 μl per 10^6 cells in 100 μl volume

# Immunogen Information

Gene ID 920 **Swiss Prot** 

P01730

### **Immunogen**

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

# **Synonyms**

T4; IMD79; Leu-3; OKT4D; CD4mut

# **Contact**

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# **Product Information**

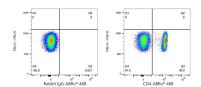
SourceIsotypePurificationRabbitIgGAffinity purification

#### 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 Human PBMC were surface-stained with ABflo ® 488 Rabbit IgG isotype control (A22069,5  $\mu$ I/Test,left) or ABflo ® 488 Rabbit anti-Human CD4 mAb (A22773,5  $\mu$ I/Test,right). Cells in the lymphocyte gate were used for analysis.

Flow cytometry: 1X10^6 Cynomolgus PBMC were surface-stained with ABflo® 610 Rabbit anti-Human/Monkey CD8a mAb (A25765,5 µl/Test) and ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human/Monkey CD4 mAb (A22773,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.