

A29424

Leader in Biomolecular Solutions for Life Science



ABflo® 647 Rabbit anti-Mouse CD4 mAb

Catalog No.: A29424

Basic Information

Observed MW

Calculated MW

Category

Monoclonal Antibody

Applications

FC

Cross-Reactivity

Mouse

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

Background

Predicted to enable several functions, including interleukin-16 binding activity; interleukin-16 receptor activity; and protein homodimerization activity. Involved in helper T cell enhancement of adaptive immune response. Acts upstream of or within several processes, including defense response to Gram-negative bacterium; positive regulation of calcium-mediated signaling; and positive regulation of peptidyl-tyrosine phosphorylation. Located in endoplasmic reticulum; external side of plasma membrane; and membrane raft. Is expressed in several structures, including alimentary system; brain; genitourinary system; hemolymphoid system; and liver and biliary system. Used to study type 1 diabetes mellitus. Human ortholog(s) of this gene implicated in immunodeficiency 79. Orthologous to human CD4 (CD4 molecule).

Recommended Dilutions

FC $\leq 0.25 \mu\text{g}$ per million cells
in 100 μl volume

Immunogen Information

Gene ID
12504

Swiss Prot
P06332

Immunogen

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

Synonyms

L3T4; Ly-4

Contact

 www.abclonal.com

Product Information

Source
Rabbit

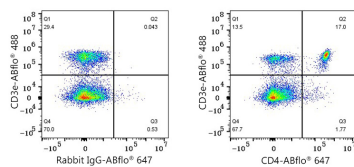
Isotype
IgG

Purification
Affinity purification

Storage

Store at -20°C

Validation Data



Flow cytometry: 1×10^6 C57BL/6 mouse splenocytes were surface-stained with ABflo® 488 Rabbit anti-Mouse CD3e mAb (A28704, 0.5 μ g) and ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, left) or ABflo® 647 Rabbit anti-Mouse CD4 mAb (A29424, 0.25 μ g, right).