Leader in Biomolecular Solutions for Life Science

ABflo® 488 Rat anti-Mouse CD3 mAb

Catalog No.: A29545

www.abclonal.com

Basic Information

Observed MW

Calculated MW

Category
Monoclonal Antibodies

Applications
FC

Cross Reactivity
Mouse

Clone No.
ATC0031

Background

Predicted to enable identical protein binding activity and transmembrane signaling receptor activity. Involved in positive thymic T cell selection. Part of alpha-beta T cell receptor complex. Is expressed in thymus primordium. Human ortholog(s) of this gene implicated in immunodeficiency 19 and severe combined immunodeficiency. Orthologous to human CD3D (CD3d molecule). Predicted to enable several functions, including SH3 domain binding activity; identical protein binding activity; and protein heterodimerization activity. Involved in nervous system development and positive regulation of cell adhesion. Acts upstream of or within several processes, including positive regulation of T cell activation; positive regulation of cytokine production; and regulation of signal transduction. Located in several cellular components, including dendritic spine; external side of plasma membrane; and immunological synapse. Part of alpha-beta T cell receptor complex. Is expressed in colon and hemolymphoid system. Human ortholog(s) of this gene implicated in immunodeficiency 18. Orthologous to human CD3E (CD3e molecule).

Recommended Dilutions

FC	FC,≤0.25 μg per million cells in 100 μl volume

Immunogen Information

Gene ID
12500/12501

Swiss-Prot
P04235/P22646

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
T3d; CD3; T3e; CD3epsilon

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

Product Information

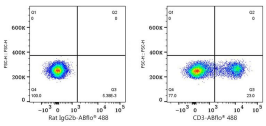
Source
Rat

Isotype
Rat/IgG2b, kappa

Purity
Affinity purification

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

Validation Data



Flow cytometry: 1X10^6 C57BL/6 mouse splenocytes were surface-stained with ABflo® 488 Rat IgG2b isotype control (5 µl/Test,left) or ABflo® 488 Rat anti-Mouse CD3 mAb (A29545,0.25 µg,right).