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PE Rat anti-Mouse CD3 mAb

Catalog No.: A28384

Basic Information

Observed MW

Calculated MW
19 kDa/21 kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Mouse

CloneNo number
ATC0031

Conjugate
PE. Ex:565nm. Em:574nm.

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	≤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

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Product Information

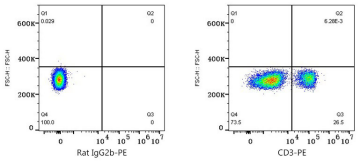
Source
Rat

Isotype
Rat / IgG2b, kappa

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 C57BL/6 mouse splenocytes were surface-stained with PE Rat IgG2b IgG isotype control (0.25 µg,left) or PE Rat anti-Mouse CD3 mAb (A28384,0.25 µg,right).

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