

Biotin Rabbit anti-Human/Monkey CD3 mAb

Catalog NO.: A28118

Basic Information

Observed MW

Calculated MW

23kDa

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Human, Cynomolgus

Conjugation

Biotin

Clone number

ARC68274

Background

The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women.

Recommended Dilutions

FC ≤0.5 µg per million cells in 100 µl volume

Immunogen Information

Gene ID

Hu 916 /Cyno 102133065

Swiss Prot

P07766

Immunogen

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

Synonyms

T3E; TCRE; IMD18; CD3epsilon

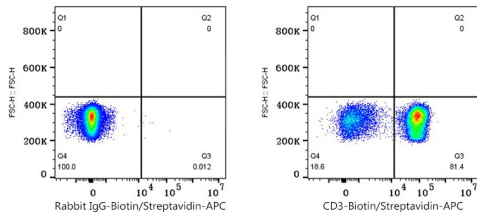
Contact

Product Information

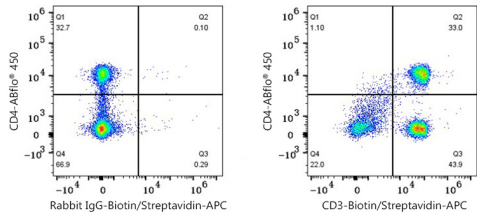
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Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.		

Validation Data



Flow cytometry: 1X10⁶ Human PBMC were surface-stained with Biotin Rabbit IgG isotype control (A25626,5 µl/Test,left) or Biotin Rabbit anti-Human/Monkey CD3 mAb (A28118,0.5 µg,right), followed by APC Streptavidin staining. Cells in the lymphocyte gate were used for analysis.



Flow cytometry: 1X10⁶ Cynomolgus PBMC were surface-stained with ABflo[®] 450 Rabbit anti-Human/Monkey CD4 mAb (A26523,5 µl/Test) and Biotin Rabbit IgG isotype control (A25626,5 µl/Test,left) or Biotin Rabbit anti-Human/Monkey CD3 mAb (A28118,0.5 µg,right), followed by APC Streptavidin staining. Cells in the lymphocyte gate were used for analysis.

