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APC/Cyanine7 Rabbit anti-Human cCD3 mAb

Catalog No.: A27405

Basic Information

Observed MW

Calculated MW
23kDa

Category
Primary antibody

Applications
FC (intra)

Cross-Reactivity
Human

CloneNo number
ARC51750

Conjugate
APC-Cy7. Ex:651nm. Em:779nm.

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 (intra)	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
916

Swiss Prot
P07766

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

Synonyms
T3E; TCRE; IMD18; CD3epsilon

Contact

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Product Information

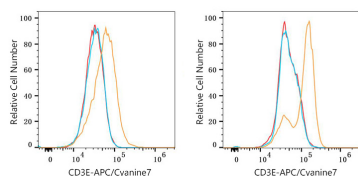| **Source**	**Isotype**	**Purification**
Rabbit	IgG	Affinity purification

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 PC-3 cells (negative control,left) and Human PBMC (right) were intracellularly-stained with APC/Cyanine7 Rabbit anti-Human CD3E mAb (A27405,5 µl/Test,orange line) or APC/Cyanine7 Rabbit IgG isotype control (5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).