

Biotin Rabbit anti-Human/Monkey CD3 mAb

Catalog No.: A27392

Basic Information

Observed MW

Calculated MW

23kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human, Cynomolgus

CloneNo number

ARC68274

Conjugate

Biotin

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 5 µl per 10⁶ cells in
100 µl volume

Immunogen Information

Gene ID

916

Swiss Prot

P07766

Immunogen

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

Synonyms

T3E; TCRE; IMD18; CD3epsilon

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

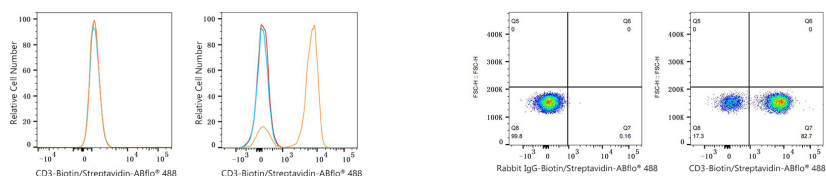
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1×10^6 Raji cells (negative control, left) and Human PBMC (right) were surface-stained with Biotin Rabbit anti-Human CD3 mAb (A27392, 5 μ l/Test, orange line) or Biotin Rabbit IgG isotype control (A25626, 5 μ l/Test, blue line), followed by ABflo® 488 Streptavidin staining. Non-fluorescently stained cells were used as blank control (red line). Cells in the lymphocyte gate were used for analysis.

Flow cytometry: 1×10^6 Human PBMC were surface-stained with Biotin Rabbit IgG isotype control (A25626, 5 μ l/Test, left) or Biotin Rabbit anti-Human CD3 mAb (A27392, 5 μ l/Test, right), followed by ABflo® 488 Streptavidin staining. Cells in the lymphocyte gate were used for analysis.