Leader in Biomolecular Solutions for Life Science

Rabbit anti-Human CD3(scFv) mAb

Catalog No.: A29534

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Basic Information

Observed MW

Calculated MW
23 kDa

Category
Monoclonal Antibodies

Applications
FC

Cross Reactivity
Human

Clone No.
ARC68277_M1(scFv)

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	1:100 - 1:500

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

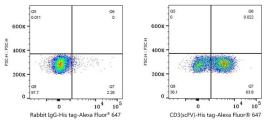
Source
Rabbit

Isotype
IgG

Purity
Affinity purification

Storage
Store at 2-8℃. Avoid freeze / thaw cycles.
Buffer: PBS with 2mM DTT,pH7.3.

Validation Data



Flow cytometry: 1X10^6 Human PBMC were surface-stained with Rabbit IgG isotype control(scFv) (A29535,2 µg/mL,left) or Rabbit anti-Human CD3(scFv) mAb (A29534, 2 µg/mL,right), followed by Alexa Fluor® 647 His tag staining. Cells in the lymphocyte gate were used for analysis.