

# PE Mouse anti-Human CD3 mAb

Catalog No.: A25083

## Basic Information

### Observed MW

### Calculated MW

23kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

AMC50002-PE

### Conjugate

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

## Recommended Dilutions

FC 5  $\mu$ l per  $10^6$  cells in  
100  $\mu$ l volume

## 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.

## Immunogen Information

### Gene ID

916

### Swiss Prot

P07766

### Immunogen

Recombinant protein of human CD3

### Synonyms

T3E; TCRE; IMD18; CD3epsilon

## Contact

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## Product Information

### Source

Mouse

### Isotype

mouse IgG2a

### Purification

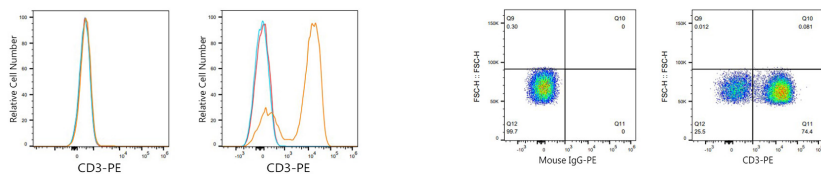
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,pH7.3.

## Validation Data



Flow cytometry:  $1 \times 10^6$  Raji cells (negative control, left) and Human PBMC (right) were surface-stained with PE Mouse anti-Human CD3 mAb (A25083, 5  $\mu$ l/Test, orange line) or Mouse IgG 2a isotype control (5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with Mouse IgG 2a isotype control (5  $\mu$ l/Test, left) or PE Mouse anti-Human CD3 mAb (A25083, 5  $\mu$ l/Test, right).