

# ABflo® 700 Mouse anti-Human CD3 mAb

Catalog No.: A24943

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

23kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

AMC50002

### Conjugate

ABflo® 700. Ex:690nm. Em:713nm.

## Recommended Dilutions

**FC** 5 µl per 10<sup>6</sup> cells in  
100 µl 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 (or fragment). This information is considered to be commercially sensitive.

### Synonyms

T3E; TCRE; IMD18; CD3epsilon

## Contact

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## Product Information

### Source

Mouse

### Isotype

mouse IgG2a

### Purification

Affinity purification

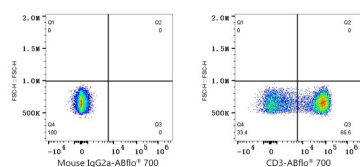
### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with ABflo® 700 Mouse IgG 2a isotype control (A25744, 5  $\mu$ l/Test, left) or ABflo® 700 Mouse anti-Human CD3 mAb (A24943, 5  $\mu$ l/Test, right). Cells in the lymphocyte gate were used for analysis.