

# PE/Cyanine7 Armenian Hamster anti-Mouse CD3e mAb

**Catalog No.: A27751**

## Basic Information

### Observed MW

### Calculated MW

21kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ACC0011

### Conjugate

PE-Cy7. Ex:565nm. Em:778nm.

## Recommended Dilutions

**FC** ≤0.25 µg per million cells  
in 100 µl volume

## Background

Predicted to enable several functions, including SH3 domain binding activity; identical protein binding activity; and protein heterodimerization activity. Involved in nervous system development and positive regulation of cell adhesion. Acts upstream of or within several processes, including positive regulation of T cell activation; positive regulation of cytokine production; and regulation of signal transduction. Located in several cellular components, including dendritic spine; external side of plasma membrane; and immunological synapse. Part of alpha-beta T cell receptor complex. Is expressed in colon and hemolymphoid system. Human ortholog(s) of this gene implicated in immunodeficiency 18. Orthologous to human CD3E (CD3e molecule).

## Immunogen Information

### Gene ID

12501

### Swiss Prot

P22646

### Immunogen

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

### Synonyms

CD3; T3e; CD3epsilon

## Contact

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## Product Information

### Source

Armenian Hamster

### Isotype

Armenian hamster / IgG

### Purification

Affinity purification

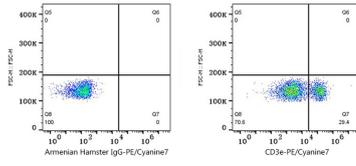
### Storage

Store at 2-8°C. Avoid freeze.

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

## Validation Data

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Flow cytometry:  $1 \times 10^6$  C57BL/6 mouse splenocytes were surface-stained with PE/Cyanine7 Armenian Hamster IgG isotype control (0.25 $\mu$ g, left) or PE/Cyanine7 Armenian Hamster anti-Mouse CD3e mAb (A27751, 0.25 $\mu$ g, right).