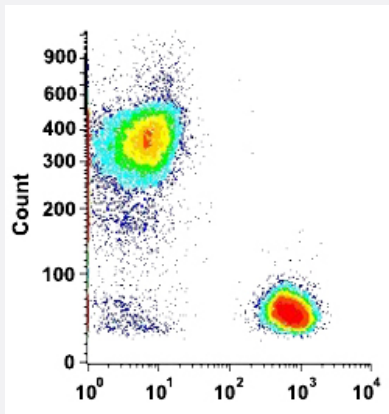


# CD3E monoclonal antibody, clone 33-2A3 (APC-C750)

Catalog # MAB13725      Size 5 x 100 reactions

## Applications



### Flow Cytometry

Flow cytometric analysis of human peripheral blood lymphocytes with CD3E monoclonal antibody, clone 33-2A3 (APC-C750) (Cat # MAB13725).

## Specification

|                      |                                                      |
|----------------------|------------------------------------------------------|
| Product Description  | Mouse monoclonal antibody raised against human CD3E. |
| Immunogen            | Human leukocytes.                                    |
| Host                 | Mouse                                                |
| Theoretical MW (kDa) | 22, 26, 30                                           |
| Reactivity           | Human                                                |
| Form                 | Liquid                                               |
| Conjugation          | APC-C750                                             |
| Purification         | Protein A/G purification                             |
| Purity               | >90%                                                 |
| Isotype              | IgG2a                                                |

|                            |                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Recommend Usage</b>     | Flow Cytometry (5 uL/10 <sup>6</sup> cells)<br>The optimal working dilution should be determined by the end user.      |
| <b>Storage Buffer</b>      | In PBS, pH 7.4 (protein stabilizer, 0.09% sodium azide).                                                               |
| <b>Storage Instruction</b> | Store in the dark at 4°C. Avoid prolonged exposure to light.                                                           |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Flow Cytometry

Flow cytometric analysis of human peripheral blood lymphocytes with CD3E monoclonal antibody, clone 33-2A3 (APC-C750) (Cat # MAB13725).

## Gene Info — CD3E

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Entrez GeneID</b>      | <a href="#">916</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Accession#</b> | <a href="#">P07766</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>          | CD3E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Alias</b>         | FLJ18683, T3E, TCRE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Description</b>   | CD3e molecule, epsilon (CD3-TCR complex)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Omim ID</b>            | <a href="#">186830</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Summary</b>       | 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. [provided by RefSeq] |
| <b>Other Designations</b> | CD3-epsilon CD3E antigen, epsilon polypeptide CD3e antigen, epsilon polypeptide (TiT3 complex) T-cell antigen receptor complex, epsilon subunit of T3 T-cell surface antigen T3/Leu-4 epsilon chain T-cell surface glycoprotein CD3 epsilon chain                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Pathway

- [Hematopoietic cell lineage](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)