

## Datasheet

### CD3E monoclonal antibody, clone 33-2A3 (DY-634)

**Catalog Number:** MAB13721

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against human CD3E.

**Clone Name:** 33-2A3

**Immunogen:** Human leukocytes.

**Host:** Mouse

**Theoretical MW (kDa):** 22, 26, 30

**Reactivity:** Human

**Applications:** Flow Cyt

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Conjugation:** DY-634

**Purification:** Protein A/G purification

**Purity:** >90%

**Isotype:** IgG2a

**Recommend Usage:** Flow Cytometry (20  $\mu$ L/ $10^6$  cells)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS, pH 7.4 (protein stabilizer, 0.09% sodium azide).

**Storage Instruction:** Store in the dark at 4°C. Avoid prolonged exposure to light.

**Entrez GeneID:** 916

**Gene Symbol:** CD3E

**Gene Alias:** FLJ18683, T3E, TCRE

**Gene Summary:** 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]