

## Datasheet

### CD3 monoclonal antibody, clone OKT3 (FITC)

**Catalog Number:** MAB12203

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

**Product Description:** Mouse monoclonal antibody raised against CD3.

**Clone Name:** OKT3

**Immunogen:** CD3

**Host:** Mouse

**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

**Specificity:** The clone OKT3 monoclonal antibody reacts with human CD3e.

**Form:** Liquid

**Conjugation:** FITC

**Purification:** Affinity Chromatography

**Isotype:** IgG2a, kappa

**Recommend Usage:** Flow Cytometry  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS, pH7.2 (0.09% Sodium azide, may contain carrier protein/stabilizer).

**Storage Instruction:** Store in the dark at 4°C. Avoid prolonged exposure to light. Do not freeze.

**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]