

## Anti-Human CD3 Mouse Monoclonal Antibody

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Catalog	Unit
TBS10243-50	50 µg
TBS10243-100	100 µg
TBS10243-200	200 µg

### Product Details

**Description:** CD3 is a protein complex that forms part of the T cell receptor (TCR) complex on T lymphocytes. These chains associate with the TCR to facilitate signal transduction upon antigen recognition. CD3 is expressed on all mature T cells, natural killer T (NKT) cells, and certain thymocytes, making it a key marker for identifying T cells. The cytoplasmic tails of CD3 contain immunoreceptor tyrosine-based activation motifs (ITAMs), which are crucial for initiating intracellular signaling cascades that lead to T cell activation and proliferation.

**Alternative names:** cluster of differentiation 3; CD3D; CD3E; CD3-epsilon; T3E; TCRE; T3; CD3ε

#### **Applications:**

- Flow cytometry (FC)
- Immunohistochemistry (IHC)

**Specificity:** The recombinant antibody specifically binds to human CD3.

**Host:** Mouse

**Isotype:** Mouse IgG1 Lambda

**Concentration:** 0.5 mg/mL

**Purity:** 95%

**Conjugate:** Non-conjugated.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Clonality:** Monoclonal

**Sterility:** 0.2 µm filtered

**Storage:** 4°C stable for up to 12 months.

**For research use only.**