

## Technical Data Sheet

### Anti-Human CD3

**Catalog Number:** 107701, 107702

**Size:** 100 ug, 500 ug

**Target Name:** CD3, T3, CD3?

**Regulatory Status:** RUO

#### Product Details

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**Clone:** OKT3

**Application:** FC

**Reactivity:** Human

**Format:** Purified

**Isotype:** Mouse IgG2a

**Antibody Type:** Monoclonal

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

**Protein Concentration:** 0.5 mg/mL

**Storage and Handling:** The antibody solution should be stored between 2°C and 8°C

#### Background Information

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CD3 (cluster of differentiation 3) is a protein complex and T cell co-receptor that is involved in activating both the cytotoxic T cell (CD8+ naive T cells) and T helper cells (CD4+ naive T cells). It is composed of four distinct chains. In mammals, the complex contains a CD3? chain, a CD3? chain, and two CD3? chains. CD3? chains are highly related cell-surface proteins of the immunoglobulin superfamily that plays a role in antigen recognition, signal transduction, and T cell activation.