

## Technical Data Sheet

### Anti-Mouse CD3

**Catalog Number:** 201101, 201102

**Size:** 100 ug, 500 ug

**Target Name:** CD3, T cell antigen receptor complex, T3

**Regulatory Status:** RUO

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#### Product Details

**Clone:** 17A2-M2a

**Application:** FC

**Reactivity:** Mouse

**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

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#### Background Information

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). CD3 is a member of the Ig superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3 is composed of CD3?, ?, ? and ? chains. It forms a TCR complex by associating with TCR ??/ or ??/ chains. CD3 plays a critical role in TCR signal transduction, T cell activation, and antigen recognition by binding the peptide/MHC antigen complex