

## Technical Data Sheet

### Anti-Human CD8a

**Catalog Number:** 100301, 100302

**Size:** 100 ug, 500 ug

**Target Name:** CD8a, T8, Leu2

**Regulatory Status:** RUO

#### Product Details

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**Clone:** 008aAB

**Application:** FC

**Reactivity:** Human

**Format:** Purified

**Isotype:** Rabbit IgG

**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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CD8a is a 32-34 kD type I glycoprotein. It forms a homodimer (CD8a/a) or heterodimer (CD8a/b) with CD8b. CD8, also known as T8 and Leu2, is a member of the immunoglobulin superfamily found on the majority of thymocytes, a subset of peripheral blood T cells, and NK cells (which express almost exclusively CD8a homodimers). CD8 acts as a co-receptor with MHC class I-restricted T cell receptors in antigen recognition and T cell activation and has been shown to play a role in thymic differentiation.