

## InnoCyto Inc.

15375 Barranca Pkwy, Suite I-103 Irvine, CA 92618

## **Technical Data Sheet**

PerCP/Cy5.5 Anti-Human CD3

Catalog Number: 107705, 107706

Size: 25 tests, 100 tests

**Target Name:** CD3, T3, CD3? **Regulatory Status:** RUO

#### **Product Details**

Clone: OKT3
Application: FC
Reactivity: Human
Format: PerCP/Cy5.5
Isotype: Mouse IgG2a

Antibody Type: Monoclonal

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v)

BSA

**Protein Concentration:** Supplied at a lot-specific concentration.

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

protected from prolonged exposure to light. Do not freeze.

Recommended Usage: For flow cytometric staining, it is recommended to use 5 uL of this reagent per 0.5-1.0 million cells in a 100  $\mu$ L volume. Optimal reagent performance should be determined by

titration for each specific application. **Excitation Laser:** Blue Laser (488 nm)

### **Background Information**

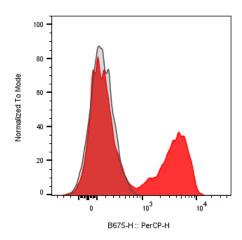
CD3 (cluster of differentiation 3) is a protein complex and T cell co-receptor that is involved in activating both the cytotoxic T cell (CD8+ naive T cells) and T helper cells (CD4+ naive T cells). It is composed of four distinct chains. In mammals, the complex contains a CD3? chain, a CD3? chain, and 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.

#### **Product Data**



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Human peripheral blood lymphocytes stained either PerCP/Cy5.5 Anti-Human CD3 clone OKT3 (color-filled histogram) or an isotype control (gray histogram).