

## InnoCyto Inc.

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

## **Technical Data Sheet**

iF488 Anti-Human CD2

Catalog Number: 109905, 109906

Size: 25 tests, 100 tests

Target Name: CD2, LFA-2, SRBC-R

Regulatory Status: RUO

#### **Product Details**

Clone: OKT11
Application: FC
Reactivity: Human
Format: iF488

Isotype: Mouse IgG1

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&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 µL volume. Optimal reagent performance should be determined by

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

### **Background Information**

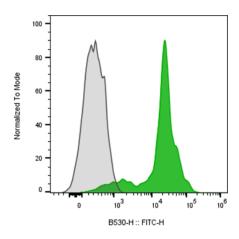
CD2 is a ~45–50 kDa type I transmembrane glycoprotein and a member of the immunoglobulin superfamily. It is expressed on T lymphocytes, thymocytes, natural killer (NK) cells, and some thymic B cell subsets. CD2 is one of the earliest T-cell markers and serves as a cell surface receptor crucial for cell-cell adhesion, T-cell activation, and immune signaling.

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Human peripheral blood lymphocytes stained either with iF488 Anti-Human CD2 clone OKT11 (color-filled histogram) or an isotype control (gray histogram).