

## InnoCyto Inc.

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

## **Technical Data Sheet**

FITC Anti-Human CD28

Catalog Number: 106205, 106206

Size: 25 tests, 100 tests Target Name: CD28, Tp44 Regulatory Status: RUO

#### **Product Details**

Clone: CD28.2 Application: FC Reactivity: Human Format: FITC

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  $\mu$ L volume. Optimal reagent performance should be determined by

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

#### **Background Information**

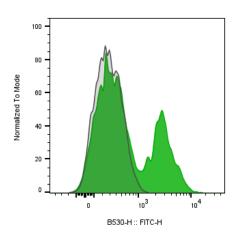
CD28 (Cluster of Differentiation 28) is a protein expressed on T cells that provides essential co-stimulatory signals required for T cell activation and survival. CD28 is a 44 kD disulfide-linked homodimeric type I glycoprotein. It is a member of the immunoglobulin superfamily and is also known as T44 or Tp44. CD28 is expressed on most T lineage cells, NK cell subsets, and plasma cells. CD28 binds both CD80 and CD86 using a highly conserved motif MYPPY in the CDR3-like loop. CD28 is considered a major costimulatory molecule, inducing T lymphocyte activation and IL-2 synthesis, and preventing cell death.

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Human peripheral blood lymphocytes stained either with FITC Anti-Human CD28 clone 28.2 (color-filled histogram) or an isotype control (gray histogram).