



T7-577-T100

## Monoclonal Antibody to CD28 PE-Cy<sup>™</sup>7 conjugated (100 tests)

Clone: CD28.2

**Isotype:** Mouse IgG1

Specificity: The antibody CD28.2 reacts with CD28, a disulfide-linked homodimeric type I

glycoprotein (monomer of Mw 44 kDa) which is a critical costimulatory receptor of

T cells.

HLDA V.; WS Code 5T CD28.05

Regulatory Status: RUO

Immunogen: DC28.1.3.3 murine T cell hybridoma transfected with human CD28 cDNA

Species Reactivity: Human, Non-Human Primates

Preparation: The purified antibody is conjugated with tandem dye PE-Cy™7 under optimum

conditions. The conjugate is purified by size-exclusion chromatography and

adjusted for direct use. No reconstitution is necessary.

Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution

containing 15mM sodium azide.

Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not

use after expiration date stamped on vial label.

**Usage:** The reagent is designed for Flow Cytometry analysis of human blood cells using 4

μl reagent / 100 μl of whole blood or 10° cells in a suspension.

The content of a vial (0.4 ml) is sufficient for 100 tests.

**Expiration:** See vial label

Lot Number: See vial label

Background: CD28 is the critical T cell costimulatory receptor which provides to the cell the

important second activation signal by binding CD80 and CD86 that are expressed by antigen presenting cells. Besides its costimulation role CD28 functions in preventing T cells from anergic hyporesponsive state or from undergoing premature apoptotic cell death. CD28 is also expressed on human fetal NK cells and some NK cell lines, whereas on murine NK cells the CD28 expression is much

broader.



## PRODUCT DATA SHEET

## References:

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