

## Monoclonal Antibody to CD28 - PE

<b>Alternate names:</b>	T-cell-specific surface glycoprotein CD28, TP44
<b>Catalog No.:</b>	AM12006PE-N
<b>Quantity:</b>	100 Tests
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">P10747</a>
<b>NCBI:</b>	<a href="#">NP_006130</a>
<b>GeneID:</b>	<a href="#">940</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10R (for use in human samples)
<b>Clone:</b>	CD28.2
<b>Immunogen:</b>	DC28.1.3.3 murine T cell hybridoma transfected with human CD28 cDNA
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Buffer System:</b> Phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent <b>Label:</b> PE – Conjugated with R-Phycoerythrin under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use
<b>Applications:</b>	Flow Cytometry analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10e6 cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	The antibody reacts with CD28, a disulfide-linked homodimeric type I glycoprotein (monomer of Mw 44 kDa) which is a critical costimulatory receptor of T cells.
<b>Species Reactivity:</b>	<b>Tested:</b> Human, Primates
<b>Storage:</b>	Store the antibody at 2 - 8 °C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Nunès J, Klasen S, Ragueneau M, Pavon C, Couez D, Mawas C, et al. CD28 mAbs with distinct binding properties differ in their ability to induce T cell activation: analysis of early

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

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**Pictures:**

Surface staining of human peripheral blood leukocytes with anti-human CD28 (CD28.2) purified

