



11-577-C100

## Monoclonal Antibody to CD28 Purified Antibody (0.1 mg)

<b>Clone:</b>	CD28.2
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	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
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	DC28.1.3.3 murine T cell hybridoma transfected with human CD28 cDNA
<b>Species Reactivity:</b>	Human, Non-Human Primates
<b>Application:</b>	Flow Cytometry Immunoprecipitation Western Blotting Immunohistochemistry (frozen sections) Immunocytochemistry Functional Application T cell costimulation
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Purification:</b>	Purified by protein-A affinity chromatography
<b>Concentration:</b>	1 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
<b>Storage / Stability:</b>	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<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.

**For laboratory research only, not for drug, diagnostic or other use.**

**Antibodies****References:**

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- \*And other.

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