



11-577-C025

Monoclonal Antibody to CD28 Purified Antibody (0.025 mg)

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
Application:	Flow Cytometry Immunoprecipitation Western Blotting Immunohistochemistry (frozen sections) Immunocytochemistry Functional Application T cell costimulation
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
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.

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

**Antibodies****References:**

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- *Jeong SH, Qiao M, Nascimbeni M, Hu Z, Reherrmann B, Murthy K, Liang TJ. Immunization with hepatitis C virus-like particles induces humoral and cellular immune responses in nonhuman primates. *J Virol.* 2004 Jul;78(13):6995-7003.
- *And other.

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