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

Clone: JJ319
Isotype: Mouse IgG1
Specificity: The mouse monoclonal antibody JJ319 reacts with CD28, a disulfide-linked homodimeric type I glycoprotein (monomer of Mw 44 kDa) which is a critical costimulatory receptor of T cells.
Regulatory Status: RUO
Immunogen: Mouse A20J B lymphoma cells transfected with rat CD28
Species Reactivity: Rat
Application: Flow Cytometry
Immunoprecipitation
Functional Application
in vitro 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. Its analog CTLA-4, expressed on the surface of activated T cells, has higher affinity to CD80 and CD86 than CD28 and downregulates T cell activity.
References:
*And many other.