

TECHNICAL DATA SHEET

CyFlow™ CD28 Purified Anti-Rt; Clone JJ319

REF CZ432604

**For Research Use Only.
Not for use in diagnostic or therapeutic procedures.**

Specifications

Antigen	CD28
Alternative Names	Tp44
Clone	JJ319
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	Rat
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Mouse A20J B lymphoma cells transfected with rat CD28

Specificity

The mouse monoclonal antibody JJ319 recognizes rat CD28 antigen, a disulfide-linked homodimeric type I glycoprotein (monomer of Mw 44 kDa) which is a critical costimulatory receptor of T cells.

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Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Functional assays

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH \approx 7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

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

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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