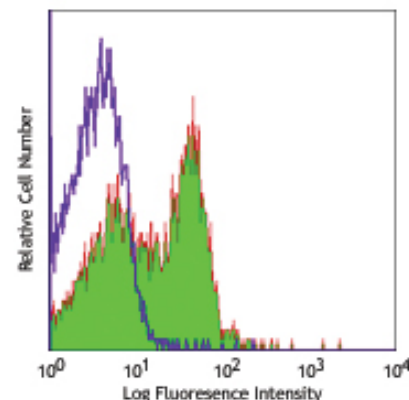


Purified anti-rat CD28

Catalog # / Size: 200902 / 500 µg
Clone: JJ319
Isotype: Mouse IgG1, κ
Immunogen: Rat CD28-transfected BALB/c mouse A2OJ cell line
Reactivity: Rat
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5 mg/ml
Storage: The antibody solution should be stored undiluted at 4°C.



LOU rat splenocytes stained with purified JJ319, followed by anti-mouse IgG FITC

Applications:

Applications: FC - Quality tested
IP - Reported in the literature

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: The JJ319 antibody has been reported to augment *in vitro* T cell proliferation and enhance IL-2 production. Additional reported applications (for the relevant formats) include: immunoprecipitation, *in vitro* costimulation of proliferation responses¹, and *in vitro* costimulation of IL-2 production in the presence of R73 antibody (anti-rat α/β TCR, Cat. No. 201112)². The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 200910).

Application References: 1. Tacke M, *et al.* 1995. *J. Immunol.* 154:5121. (Costim)
2. Tacke M, *et al.* 1997. *Eur. J. Immunol.* 27:239. (Costim)
3. Du Y, *et al.* 2012. *PLoS One.* 7:e52911. PubMed.

Description: CD28 is a 44 kD glycoprotein also known as Tp44 or T44. It is a member of the immunoglobulin superfamily and is expressed on thymocytes, α/βTCR⁺ T cells, most γ/δTCR⁺ T cells, and an NK cell subset. During interaction with CD80 (B7-1) or CD86 (B7-2), CD28 acts as the second signal for T cell stimulation.

Antigen References: 1. Tacke M, *et al.* 1995. *J. Immunol.* 154:5121.
2. Mitnancht R, *et al.* 1995. *Eur. J. Immunol.* 25:328.
3. Tacke M, *et al.* 1997. *Eur. J. Immunol.* 27:239.

Related Products:

Product	Clone	Application
Purified anti-rat CD86	24F	FC, IHC, IP
Purified anti-rat CD80	3H5	FC, IHC, IP
Purified Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC, ICC, IF, IHC, IP, WB
APC Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
FITC Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
PE Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
Cell Staining Buffer		FC, ICC, ICFC



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