Anti-CD28 [JJ316] Bulk Size Ab00284-6.1-BT

This chimeric rat antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rat IgG1, Kappa
Clone Number: JJ316
Alternative Name(s) of Target: TP44; T-cell-specific surface glycoprotein CD28
UniProt Accession Number of Target Protein: P31042
Published Application(s): CoStim, Superagonism, FC, IF, IHC
Published Species Reactivity: Rat
Immunogen: Made by immunizing BALB/c mice with rat CD28 cDNA-transfected A20/J cells.
Specificity: Recognises rat CD28 and can trigger T-cell proliferation in vitro and in vivo.
Application Notes: This antibody binds rat CD28 and can convey as a co-stimulatory signal. At 100-1000-fold higher concentration than required for co-stimulation JJ316 (unlike the clone JJ319 marketed by competitors (see Tacke et al. 1997)) can induce proliferation of all T-cell subsets without TCR engagement.
Antibody First Published in: Tacke et al. CD28-mediated induction of proliferation in resting T cells in vitro and in vivo without engagement of the T cell receptor: evidence for functionally distinct forms of CD28. Eur J Immunol PMID:9022025
Note on publication: Describes the in vivo and in vitro characterisation of JJ316.

Product Form

Size: 1 mg Purified antibody in bulk size.
Purification: Protein A affinity purified
Supplied In: PBS only.
Storage Recommendation: Store at 4ºC for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommed this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20ºC.
Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.

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