

Anti-CD28 [JJ316] Standard Size Ab00284-1.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a chimeric antibody, that does not bind complement or Fc-receptors.

Isotype and Format: Mouse IgG1, Fc Silent™, 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: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

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.