

Anti-CD28 [D665] Standard Size Ab00285-1.4

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

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding of Fc Receptor and complement.

Isotype and Format: Mouse IgG1, Fc Silent™, Kappa

Clone Number: D665

Alternative Name(s) of Target: TP44; T-cell-specific surface glycoprotein CD28; TP44

UniProt Accession Number of Target Protein: P31041

Published Application(s): CoStim, SPR, Superagonism, FC, IHC

Published Species Reactivity: Mouse

Immunogen: The original D665 antibody was generated by immunizing mice alternately with A20 cells expressing mCD28 i.p. and with recombinant mCD28Ig s.c.

Specificity: This antibody binds to the laterally exposed C'D loop of CD28 and induces T cell proliferation without TCR ligation.

Application Notes: This antibody binds to mouse CD28. The original mouse IgG1 version was shown to trigger T-cell proliferation in vitro and in vivo in a TCR-independent manner and is a superagonistic antibody. This antibody does not compete with E18 (Ab00286).

Antibody First Published in: Dennehy et al. Cutting Edge: Monovalency of CD28 Maintains the Antigen Dependence of T Cell Costimulatory Responses Journal of Immunology [PMID:16670276](#)

Note on publication: Cutting Edge: Monovalency of CD28 Maintains the Antigen Dependence of T Cell Costimulatory Responses

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.