Data Sheet

Anti-CD28 Agonist Antibody (Humanized)

Recombinant, Humanized Monoclonal Anti-CD28
Catalog #: 100186
Lot #: 180822
Conc.: 1.37 mg/ml

Description: Recombinant monoclonal antibody recognizing human CD28. This antibody binds to CD28 on T cells and promotes T cell response. Not tested in other species. This antibody has been humanized to reduce immunogenicity and improve the therapeutic half-life. The T cell-specific receptor CD28 is an important regulator of the immune system. The ligation of CD28 and its ligands CD80/CD86 on the APC provides a critical costimulatory signal alongside T cell receptor (TCR) for T cell activation. The costimulatory signal can also be delivered by the interaction between CD28 and its agonist antibody.

Host Species | Isotype:
Human | Human IgG1

Formulated in: 8 mM Na Phosphate pH 7.4, 110 mM NaCl, 2.2 mM KCl and 20% glycerol

Stability: Stable for at least 12 months at -80°C. Protect from light. Avoid freeze/thaw cycles. Store diluted antibody with carrier protein (BSA 0.1 – 0.5%) at 4°C, stable for 2 weeks.

References:

Purification: Protein A affinity chromatography from HEK293 supernatants.

Application: This antibody is useful for activation of CD28 costimulatory pathway in T cells

Costimulatory Activity of Anti-CD28 Antibody on IL-2 reporter/Jurkat Cells

Activation Assay: Serial dilutions of anti-CD3 (BPS Bioscience, #71274) and CD28 antibodies were added to the IL-2 reporter-Jurkat cells, then incubated at 37°C incubator for 16 hrs. After the treatment, perform Luciferase assay using One-Step Luciferase assay system (BPS Bioscience, #60690)

OUR PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

To place your order, please contact us by Phone 1.858.829.3082 Fax 1.858.481.8694
Or you can Email us at: info@bpsbioscience.com
Please visit our website at: www.bpsbioscience.com