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## Data Sheet

### Anti-CD28 Agonist Antibody

Recombinant, Monoclonal Anti-CD28  
**Catalog #:** 100182  
**Lot #:** 180821                      **Conc.:** 1.05 mg/ml

**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:**

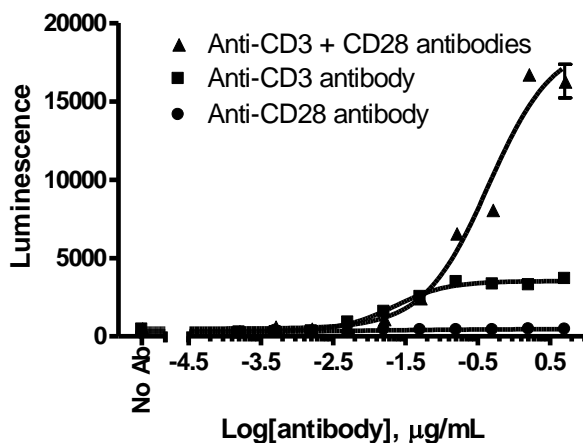
1. Takemura, S., *et al.*, *FEBS Letters*, 2000; **476**: 266-271.

**Description:** 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.

**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)

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