

MOUSE CD28 PROTEIN, HFC TAG

Cat.#: 12133

Product Name: Mouse CD28 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CD28;Tp44

Target: CD28

UNIPROT ID: P31041

Description: Recombinant mouse CD28 protein with C-terminal human Fc tag

Background: Involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival. Enhances the production of IL4 and IL10 in T-cells in conjunction with TCR/CD3 ligation and CD40L costimulation.[UniProtKB/Swiss-Prot Function]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 41.2 kDa after removal of the signal peptide. The apparent molecular mass of mCD28-hFc is approximately 55–70 kDa due to glycosylation.

Molecular Characterization: Mouse CD28(Asn20–Lys149) hFc(Glu99–Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at –20°C to –80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at –80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Mouse CD28 Protein, hFc Tag on SDS-PAGE under reducing condition.