

MOUSE B7-1 PROTEIN, HFC TAG

Cat.#: 12168

Product Name: Mouse B7-1 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: B7;CD80

Target: B7-1

UNIPROT ID: Q00609

Description: Recombinant mouse B7-1 protein with C-terminal human Fc tag

Background: The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy. [provided by RefSeq, Aug 2011]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 49.8 kDa after removal of the signal peptide. The apparent molecular mass of mB7-1-hFc is approximately 70-100 kDa due to glycosylation.

Molecular Characterization: Mouse B7-1(Val38-Lys245) 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.

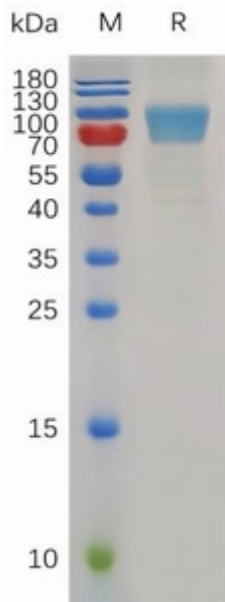


Figure 1. Mouse B7-1 Protein, hFc Tag on SDS-PAGE under reducing condition.