

MOUSE IL6 PROTEIN, HFC TAG

Cat.#: 12222

Product Name: Mouse IL6 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: Il-6

Target: IL6

UNIPROT ID: P08505

Description: Recombinant mouse IL6 protein with C-terminal human Fc tag

Background: This gene encodes a member of the interleukin family of cytokines that have important functions in immune response, hematopoiesis, inflammation and the acute phase response. The ectopic overexpression of the encoded protein in mice results in excessive plasma cells in circulation, leading to death. Mice lacking the encoded protein exhibit abnormalities in hepatic acute phase response, some immune mechanisms, bone resorption in response to estrogen, liver regeneration and wound healing. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 47.9 kDa after removal of the signal peptide. The apparent molecular mass of mIL6-hFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: Mouse IL6(Phe25-Thr211) 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 IL6 Protein, hFc Tag on SDS-PAGE under reducing condition.