

32-190044: IL-6 (human):Fc (human) (Recombinant)

Application : Functional Assay

Reactivity : Human

Alternative Name : Interleukin-6; B Cell Stimulatory Factor 2; BSF-2; CTL Differentiation Factor; CDF; Interferon beta2; IFN-beta2

Description

Source :CHO cells

Specific Interleukin 6 (IL-6) is a pleiotropic alpha-helical cytokine that plays important roles in acute phase reactions, inflammation, hematopoiesis, bone metabolism and cancer progression. IL-6 activity is essential for the transition from acute inflammation to either acquired immunity or chronic inflammatory disease. It is secreted by multiple cell types as a 22kDa-28kDa phosphorylated and variably glycosylated molecule. IL-6 induces signaling through a cell surface heterodimeric receptor complex composed of a ligand binding subunit (IL-6R) and a signal transducing subunit (gp130). IL-6 is a key factor for the growth of plasma cells.

Product Info

Amount : 50 µg

Purification : >=98% (SDS-PAGE)

Reconstitute 50µg vial in 50µl sterile water.

Content : Add 1X PBS to the desired protein concentration.
Lyophilized from 0.2µm-filtered solution in PBS.

Storage condition : Short Term Storage +4°C ; Long Term Storage-20°C ; Avoid freeze/thaw cycles. Stable for at least 1 year after receipt when stored at -20°C.

Working aliquots are stable for up to 3 months when stored at -20°C.

Amino Acid : The extracellular domain of human IL-6 (aa 30-212) is fused to the N-terminus of the Fc region of human IgG1.

Application Note

Endotoxin Content: <0.06EU/µg protein (LAL test; Lonza).