

32-6432: IL6 Rat, sf9

Application : Functional Assay

Alternative Name : IL6, Ifnb2, ILg6.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

Interleukin-6 is a potent pro-inflammatory cytokine primarily produced by activated T cells and an assortment of other cells including endothelial cells and macrophages. IL-6 affects B and T lymphocytes and has been shown to have a role in host defense, acute phase reactions, immune responses and hematopoiesis.

IL6 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 196 amino acids (25-211 a.a.) and having a molecular mass of 22.8kDa (Molecular size on SDS-PAGE will appear at approximately 18-28 kDa). IL6 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Content : IL6 protein solution (0.5mg/ml) contains 20% glycerol & Phosphate Buffered Saline (pH 7.4).

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : ADPFPTSQVR RGDFTEDTTH NRPVYTTSQV GGLITYVLRE ILEM RKELCN GNSDCMNSDDALSEN NLKLP
EIQRNDGCFQ TGYNQEICLL KICSGLLEFR FYLEFVKNNL QDNKKDKARVIQSNTETLVH IFKQEIKDSY
KIVLPTPTSN ALLMEKLESQ KEWLRTKTIQ LILKALEEFL KVTMRSTRQT HHHHHH

Application Note

Measured in a cell proliferation assay using M-NFS-60 mouse B cell. The ED50 for this effects is less or equal to 0.1 ng/ml.