

IL4, 25-153 aa, Mouse, E.coli (Bioactivity Validated)

Cat.NO.: TP02643

3th Edition

Synonyms: Interleukin 4 isoform1, BCGF-1, BCGF1, BSF-1, BSF1, IL-4, B cell growth factor 1, B cell IgG differentiation factor, B Cell Stimulatory Factor 1, B-cell stimulatory factor 1, BCGF 1, BCGF1.

Description: IL4, also known as Interleukin 4 isoform1, is a pleiotropic cytokine that has many biological roles, including the stimulation of activated B-cell and T-cell proliferation, and the differentiation of naive helper T-cell to Th2 cells. IL4 is a co-stimulator of DNA-synthesis and induces the expression of class II MHC molecules on resting B-cells. It also enhances both secretion and cell surface expression of IgE and IgG1. Recombinant mouse IL4, was expressed in E.coli and purified by using conventional chromatography techniques

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol

Molecular Weight: 15kDa (130aa),

Sequences:

MHKCDITLQEIIKTLNSLTEQKTLCTELTVTDIFAASKNTTEKETFCRAATVLRQFYSHHEKDTRCLGATAQQFHRHK
QLIRFLKRLDRNLWGLAGLNSCPVKEANQSTLENFLERLKTIMREKYSKCSS

Purity: > 95% by HPLC

Concentration: 1mg/ml (determined by BCA assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.