

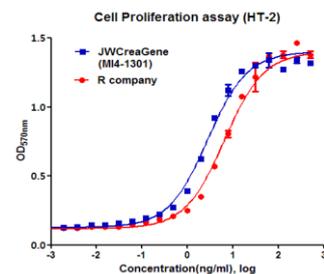
DATA SHEET

Product Information

Product Name	: Recombinant Mouse Interleukin-4 (rmIL-4)
Synonyms	: B-cell stimulatory factor 1 (BSF-1)
Description	: Recombinant mouse Interleukin-4 produced in <i>E. coli</i> is a non-glycosylated 13.5 kDa protein containing 121 amino acids. IL-4 induces the expression of class II major histocompatibility complex and Fc receptors on B-cells and monocytes. It also acts on T-lymphocytes, mast cell lines and several other haematopoietic lineage cells including granulocyte, megakaryocyte and erythroid precursors as well as macrophages.
NCBI Accession No.	: NM_021283.2
Amino acid sequence	: MHIHGCDKNHLREIIGILNEVTGEGTPCTEMDVPNVLATATKNTTESELVCRA SKVLRIFYLKHGKTPCLKKNSSVLMELQRLFRAFRCILDSSISCTMNESKSTS LKDFLESILKSIMQMDYS
Molecular Mass	: 13.65 kDa (121 aa)
Protein tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: JW-M002-0010, JW-M002-0025, JW-M002-0050, JW-M002-0100, JW-M002-0250, JW-M002-0500, JW-M002-1000
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Rat

Quality Control

Test items	Specifications
Appearance	: Clear, colorless liquid
Purity	: Greater than 98 % by RP-HPLC and SDS-PAGE
Specificity	: Using Western blot, detection
Concentration	: 0.1 mg/ml, Bradford method Determined by measuring the proliferation of murine HT-2 indicator cells.
Biological Activity	: The ED ₅₀ is < 1.0 ng/ml, corresponding to a specific activity of > 1.0 × 10 ⁶ U/mg.
Endotoxin	: Less than 0.1 EU/μg as determined by the LAL method
Formulation	: PBS, 5% glycerol (pH 7.4) without preservative or carrier proteins.
Stability	: Stable for up to 12 months at -70 °C. Stable for a month at 4 °C.
Sterility	: Sterilized through a 0.2 μm membrane filter and packaged aseptically. Culture for 2 weeks, no growth



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