

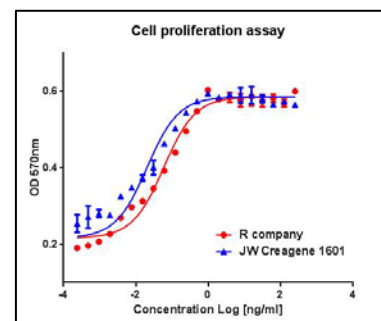
DATA SHEET

Product Information

Product Name	: Recombinant Mouse Interleukin-3 (rmIL-3)
Synonyms	: IL 3 Mouse; Interleukin-3 Mouse Recombinant; MCGF (Mast cell growth factor); Multi-CSF; HCGF; P-cell stimulation factor; IL-3
Description	: Interleukin 3 is an interleukin, a type of biological signal (cytokine) that can improve the body's natural response to disease as part of the immune system. It acts by binding to the interleukin-3 receptor. Interleukin 3 stimulates the differentiation of multipotent hematopoietic stem cells into myeloid progenitor cells or, with the addition of IL-7, into lymphoid progenitor cells. In addition, IL-3 stimulates proliferation of all cells in the myeloid, in conjunction with other cytokines. It is secreted by basophils and activated T cells to support growth and differentiation of T cells from the bone marrow in an immune response. (Ref. From Wikipedia)
NCBI Accession No.	: NM_010556.4
Amino acid sequence	: MDTHRLTRTLNCSSIVKEIIGKLPPELKTDDGPGSLRNKSFRRVNLSKFVESQGEVDPEDRYVIKSNLQKLNCCLP TSANDSALPGVFI RDLDDFRKCLR FYMVHLNDLETVLTSRPPQPASGSVSPNRGTVEC
Molecular Mass	: 15.20 kDa (135 aa)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: MIL3-10, MIL3-25, MIL3-50, MIL3-100, MIL3-250, MIL3-500, MIL3-1000
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Gerbil, Rat, Mouse, Human, Bacteria, Monkey, Mouse + Virus

Quality Control

Test items	Specifications
Appearance	: Clear, colorless liquid
Purity	: Greater than 95 % by RP-HPLC and SDS-PAGE
Specificity	: Using Western blot, detection
Concentration	: 0.1 mg/ml, Bradford method
Biological Activity	: <p>Determined by proliferation of M-NFS-60 indicator cells.</p> <p>The ED50 is 20~100 pg/ml, corresponding to a specific activity of $1.0 \times 10^7 \sim 5.0 \times 10^7$ EU/mg</p>
Endotoxin	: Less than 1.0 EU/ μ g as determined by the LAL method
Formulation	: PBS, 5% glycerol, pH7.4 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 μ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



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