

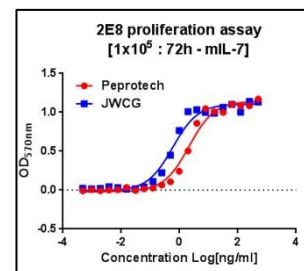
DATA SHEET

Product Information

Product Name	: Recombinant mouse Interleukin-7 (rmIL-7)
Synonyms	: Lymphopoietin 1(LP-1), pre-B cell factor
Description	: Interleukin 7 (IL-7) is a protein that in humans is encoded by the IL7 gene. IL-7 is a hematopoietic growth factor secreted by stromal cells in the bone marrow and thymus. It is also produced by keratinocytes, dendritic cells, hepatocytes, neurons, and epithelial cells, but is not produced by normal lymphocytes. IL-7 as an immunotherapy agent has been examined in many pre-clinical animal studies and more recently in human clinical trials for various malignancies and during HIV infection. (Ref. From Wikipedia)
NCBI Accession No.	: NM_008371.5
Amino acid sequence	: MECHIKDKEGKAYESVLMISIDELDKMTGTDSNCPNNEPNFFRKHVCDDTKE AAFLNRAARKLKQFLKMNISEEFNVHLLTVSQGTQTLVNCSTSKKEKNVKEQK KNDACFLKRLLEIKTCWNKILKGS I
Molecular Mass	: 15 kDa (130 aa)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: JW-H030-0010, JW- H030-0025, JW-H030-0100, JW-H030-0250, JW-H030-0500, JW-H030-1000
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Human, Mouse, Rat, Monkey

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
Biological Activity	: determined by the dose-dependent stimulation of the proliferation of murine 2E8 cells. The ED50 is < 0.2 ug/ml.
Endotoxin	: Less than 0.1 EU/ μ g 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 μ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



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