

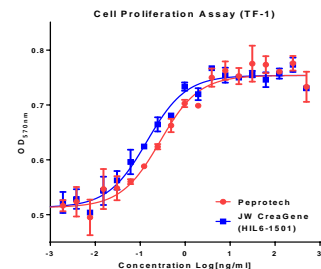
DATA SHEET

Product Information

Product Name	: Recombinant Human Interleukin-6 (rhIL-6)
Synonyms	: B-cell stimulatory factor 2 (BSF-2), CTL differentiation factor (CDF), Interferon beta-2 (IFN-beta-2)
Description	: IL-6 is an interleukin that acts as both a pro-inflammatory cytokine and an anti-inflammatory myokine. In humans, it is encoded by the IL6 gene. IL-6 is secreted by T cells and macrophages to stimulate immune response. IL-6 also plays a role in fighting infection, as IL-6 has been shown in mice to be required for resistance against bacterium <i>Streptococcus pneumoniae</i> . In addition, osteoblasts secrete IL-6 to stimulate osteoclast formation. Advanced/metastatic cancer patients have higher levels of IL-6 in their blood. One example of this is pancreatic cancer, with noted elevation of IL-6 present in patients correlating with poor survival rates. (Ref. From Wikipedia)
NCBI Accession No.	NM_000600.3
Amino acid sequence	: MPAPVPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISA LRKETCNKSNM CESSKEALAENLNLPKMAEKDGC FQSGFNEETCLVKIITGLLEFEVYLEYL QNR FESSEEQARAVQMSTKVLIQFLQKKAKNLDAITTPDPTTNASLLTKLQA QNQLQDMTTHLILRSFKEFLQSSLRALRQM*
Molecular Mass	: 21.17 kDa (187 aa)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: HIL6-10, HIL6-25, HIL6-50, HIL6-100, HIL6-250, HIL6-500
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Human, Mouse Rat, Monkey, Pig

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 Determined by proliferation of TF-1 indicator cells.
Biological Activity	: The ED50 is <0.1 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^7$ EU/mg
Endotoxin	: Less than 1.0 EU/ μ g as determined by the LAL method
Formulation	: 30mM sodium citrate-citric acid, 5% glycerol (pH 4.0~5.0) 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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