

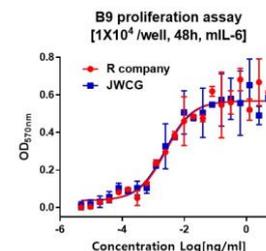
DATA SHEET

Product Information

Product Name	: Recombinant Mouse Interleukin-6 (rmIL-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_031168.2
Amino acid sequence	: MFPTSQVRRGDFTEDETPNRPVYTTTSQVGGGLITHVLWEIVEMRKELCNGNSDCMNDDALAENNLKLPETIQRNDGCYQTGYNQEICLLKISSGLLEYHSYLEYMKNNLKDKNKKDKARVLQRDTEETLIHIFNQEVKDLHKIVLPTPI SNALLTDKLESQKEWLRTKTIQFILKSLEEFKVTLRSTRQT*
Molecular Mass	: 21.82 kDa (188 aa)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: JW-M004-0010, JW-M004-0025, JW-M004-0050, JW-M004-0100, JW-M004-0250, JW-M004-0500, JW-M004-1000
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 95 % by RP-HPLC and SDS-PAGE
Specificity	: Using Western blot, detection
Concentration	: 0.1 mg/ml, Bradford method Determined by proliferation of B9 indicator cells.
Biological Activity	: The ED50 is <0.06 ng/ml, corresponding to a specific activity of $> 1.6 \times 10^7$ U/mg
Endotoxin	: Less than 1.0 EU/ μ g as determined by the LAL method
Formulation	: PBS, 10% 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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