

Recombinant Mouse Interleukin-6 (IL-6)

Catalog Number PMC0064 (5 µg), PMC0065 (10 µg), PMC0066 (25 µg), PMC0061 (100 µg), PMC0063 (1 mg)

Pub. No. MAN0004236 Rev. B.0








Product specifications

Lot number	See product label.
Molecular weight	~20 kDa
Purity	>95% as determined by SDS PAGE analysis.
Amino acid sequence	FPTSQVRRGD FTEDTTPNRP VYTTSQVGGL ITHVLWEIVE MRKELCNGNS DCMNDDALA ENNLKLPEIQ RNDGCVQGTGY NQEICLLKIS SGLLEYHSYL EYMKNNLKDN KKDKARVLQR DTETLIHIFN QEVKDLHKIV LPTPISNALL TDKLESQKEW LRTKTIQFIL KSLEEFLKVT LRSTRQT
Biological activity	ED ₅₀ <8.00 pg/mL, determined by the dose dependent proliferation of B9 cells. Determine the optimal concentration for each specific application using an initial dose response assay.
Formulation	Lyophilized, carrier free.
Sterility	The protein is eluted in acetonitrile and then lyophilized under aseptic conditions.
Endotoxin	<0.1 ng/µg
Production	Produced in <i>E. coli</i> and purified via sequential chromatography.
Reconstitution recommendation	Centrifuge the vial briefly, before opening to bring the contents to the bottom. Reconstitute the lyophilized protein in 100 mM acetic acid to 0.1–1.0 mg/mL to regain full activity. Apportion the reconstituted protein into working aliquots and store at ≤ –20°C. Make any further dilutions of the reconstituted protein in low endotoxin medium or buffered solution with FBS or tissue culture grade BSA.
Suggested working dilutions	The optimal concentration should be determined for each specific application.
Storage	Store the lyophilized protein at 2–8°C or –20°C for long term storage, preferably desiccated. Upon reconstitution, apportion into working aliquots and store at ≤ –20°C (not in a frost-free freezer). Avoid repeated freeze-thaw cycles.
Expiration date	Expires one year from date of receipt when stored as instructed.
References	Hirano, T. (1994) In: The Cytokine Handbook, 2nd Edition, (ed. A. Thomson), Academic Press Limited, San Diego, CA, pp. 145-168. Aarden, L, et al. (1985) A growth factor for B cell hybridomas produced by human monocytes. Lymphokines 10:175-185. Kim, PK, et al. (2000) Intraabdominal sepsis down-regulates transcription of sodium taurocholate cotransporter and multidrug resistance-associated protein in rats. Shock 14(2):176-181. Giver, CR, et al. (2001) Persistence of aneuploid immature/primitive hemopoietic sub-populations in mice 8 months after benzene exposure in vivo. Mutation Res. 491:127-138. Rubinson, DA, et al. (2003) A lentivirus-based system to functionally silence genes in primary mammalian cells, stem cells and transgenic mice by RNA interference. Nature Genetics 33(3):401-406. Taylor, MA, et al. (2001) Inhibition of the death receptor pathway by cFLIP confers partial engraftment of MHC class I-deficient stem cells and reduces tumor clearance in perforin-deficient mice. J. Immunol. 167(8):4230-4237.

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Explanation of Symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		



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For descriptions of symbols on product labels or product documents, go to thermofisher.com/symbols-definition.

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