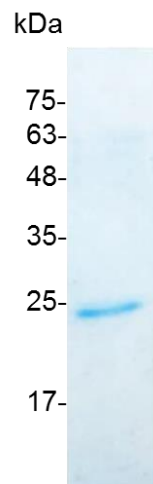


IL-6 (Interleukin-6), Mouse

v. 231101

Catalog number	C02008-5UG / C02008-20UG / C02008-100UG
Package	5 µg / 20 µg / 100 µg
Description	Interleukin 6 (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. In addition, osteoblasts secrete IL-6 to stimulate osteoclast formation. Smooth muscle cells in the tunica media of many blood vessels also produce IL-6 as a pro-inflammatory cytokine. IL-6's role as an anti-inflammatory myokine is mediated through its inhibitory effects on TNF-alpha and IL-1, and activation of IL-1ra and IL-10.
Source	<i>Escherichia coli</i>
Sequence	MFPTSQVRRGDFTEDTTPNRPVYTTSQVGGGLITHVLWEIVEMRKELCNGNSDC MNNDDALAENNLKLPEIQRNDGCYQTGYNQEICLLKISSGLLEYHSYLEYMKNN LKDNKKDKARVLQRDTETLIHIFNQEVKDLHKIVLPTPISNALLTDKLESQKEWLR TKTIQFILKSLEEFKVTLRSTRQT with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce proliferation in 7TD1 cells. The ED ₅₀ for this effect is <0.01 ng/mL. The specific activity of recombinant mouse IL-6 is approximately >1x 10 ⁸ IU/mg.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	This product is stable after storage at: <ul style="list-style-type: none"> • -20°C for 12 months in lyophilized state from date of receipt. • -20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant mouse IL-6

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