

RECOMBINANT RAT INTERLEUKIN-6

CATALOG NUMBER:	IL025
LOT NUMBER:	
QUANTITY:	10 µg
DESCRIPTION:	Interleukin-6 (IL-6) is a potent lymphoid cell growth factor that stimulates the growth and survivability of certain B cells and T cells. Rat IL-6 is a 21.7 kDa protein containing 187 amino acid residues.
SOURCE:	<i>E. coli</i>
PURITY:	Greater than 98% by SDS-PAGE analysis and HPLC analysis. Endotoxin level is less than 0.1 ng per µg (1EU/ug) of rat IL-6.
ACTIVITY:	Chemicon's rat IL-6 is fully biologically active when compared to standards. The ED ₅₀ as determined by the dose-dependent stimulation of the proliferation of IL-6 dependent mouse 7TD1 cells is ≤ 0.01 ng/mL, corresponding to a specific activity of ≥ 1 x 10 ⁸ units/mg.
APPLICATIONS:	For most <i>in vitro</i> applications, IL-6 exerts its biological activity in the concentration range of 0.01 to 1.0 ng/mL.
PRESENTATION:	Sterile filtered and lyophilized from 10 mM Tris, pH 8.0 + 0.1% SDS.
STORAGE/HANDLING:	The lyophilized powder, though stable at room temperature, is best stored desiccated -20°C. After a quick spin, reconstitute in water to a concentration of 0.1 mg/mL to 1.0 mg/mL. This solution can be diluted into other aqueous buffers and stored at 4°C for one week or at -20°C for future use. Maintain reconstituted IL-6 in undiluted aliquots at -20°C. Avoid repeated freeze/thaw cycles.

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