



## RECOMBINANT MOUSE INTERLEUKIN-6

**CATALOG NUMBER:** IL017

**LOT NUMBER:**

**QUANTITY:** 10  $\mu$ g

**DESCRIPTION:** Interleukin-6 (IL-6) is a potent lymphoid cell growth factor, which stimulates the growth and survivability of certain B-cells and T-cells. Mouse IL-6 is a 21.7 kDa protein containing 187 amino acid residues.

**SOURCE:** *E. coli*

**PURITY:** Greater than 98% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per  $\mu$ g (1EU/ $\mu$ g) of mouse IL-6.

**ACTIVITY:** The ED<sub>50</sub> was determined by the dose-dependent stimulation of the proliferation of IL-6 dependent mouse 7TD1 cells is  $\leq$  0.02 ng/mL, corresponding to a specific activity of  $\geq 5 \times 10^7$  units/mg.

**APPLICATIONS:** For most *in vitro* applications, mouse IL-6 exerts its biological activity in the concentration range of 0.1 to 10.0 ng/mL. Responding cells are (partial list): B-cells, hybridoma cells.

**PRESENTATION:** Sterile filtered, and then lyophilized with no additives.

**STORAGE/HANDLING:** The lyophilized powder is stable for a few weeks at room temperature, but best stored at -20°C for up to 12 months after date of receipt. After a quick spin, reconstitute with sterile water to a concentration of 0.1-1.0 mg/mL. This solution can then be diluted into other aqueous buffers and stored at 2-8°C for one week or -20°C for future use. Reconstituted mouse IL-6 should be stored in undiluted aliquots at -20°C for up to 6 months.

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