



## RECOMBINANT RAT INTERLEUKIN-6

<b>CATALOG NUMBER:</b>	IL025	<b>QUANTITY:</b>	10 µg
<b>LOT NUMBER:</b>			
<b>DESCRIPTION:</b>	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.		
<b>SOURCE:</b>	<i>E. coli</i>		
<b>PURITY:</b>	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.		
<b>ACTIVITY:</b>	Millipore's rat IL-6 is fully biologically active when compared to standards. The ED <sub>50</sub> 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 <sup>8</sup> units/mg.		
<b>APPLICATIONS:</b>	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.		
<b>PRESENTATION:</b>	Sterile filtered and lyophilized from 10 mM Tris, pH 8.0 + 0.1% SDS.		
<b>STORAGE/HANDLING:</b>	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.		

**Important Note:** During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

**FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

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