

## Recombinant Mouse IL-6

Catalog No : PMK2204

Known As: Interleukin-6; IL-6; B-Cell Hybridoma Growth Factor; Interleukin HP-1; Il6; IL-6

### PROPERTIES

Description	Recombinant Mouse Interleukin-6 is produced by our E.coli expression system and the target gene encoding Phe25-Thr211 is expressed.
Accession	P08505
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM Tris,5% Sucrose,0.1mM EDTA,0.1% Tween-80,pH8.0.
Size	10 $\mu$ g/50 $\mu$ g/500 $\mu$ g/1mg
Purity	> 95%
Endotoxin	< 1 EU/ $\mu$ g as determined by LAL test.
Predicted Mol Mass	21.8 KDa
Apparent Mol Mass	22 KDa, reducing conditions
Reconstitution	Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$ , stable for one year after receipt. Reconstituted protein solution can be stored at 2-8 $^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.
Background	Interleukin-6 (IL-6) is a pro-inflammatory cytokine that also has an important role in immunity. Mouse IL-6 appears to be directly involved in the responses that occur after infection and injury and may prove to be as important as IL-1 in regulating the acute phase response. Mouse IL-6 is reported to be produced by fibroblasts, activated T cells, activated monocytes or macrophages, and endothelial cells. It acts upon a variety of cells, including fibroblasts, myeloid progenitor cells, T cells, B cells and hepatocytes. IL-6 has a wide variety of biological functions: it plays an essential role in the final differentiation of B-cells into Ig-secreting cells, it induces myeloma and plasmacytoma growth, nerve cells differentiation in hepatocytes, and acute phase reactants.

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