

Active Recombinant Mouse Il6, Fc-tagged

Cat. No. Il6-321M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse IL-6 (aa 1-211) is fused to the N-terminus of the Fc region of a mutant mouse IgG2a.
Species	Mouse
Source	CHO
ProteinLength	1-211 a.a.
Description	Interleukin 6 (IL-6) is a pleiotropic alpha-helical cytokine that plays important roles in acute phase reactions, inflammation, hematopoiesis, bone metabolism and cancer progression. IL-6 activity is essential for the transition from acute inflammation to either acquired immunity or chronic inflammatory disease. It is secreted by multiple cell types as a 22kDa-28kDa phosphorylated and variably glycosylated molecule. IL-6 induces signaling through a cell surface heterodimeric receptor complex composed of a ligand binding subunit (IL-6R) and a signal transducing subunit (gp130). IL-6 is a key factor for the growth of plasma cells.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Shows the biological function of the IL-6 moiety and exerts a prolonged circulating half-life caused by the modified Fc domain.
Purity	≥98% (SDS-PAGE)

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Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. Avoid freeze/thaw cycles.
GENE INFORMATION	
Gene Name	IL6 interleukin 6 [<i>Mus musculus</i>]
Official Symbol	IL6
Synonyms	IL6; interleukin 6; interleukin-6; interleukin HP-1; B-cell hybridoma growth factor; IL-6;
Gene ID	16193
mRNA Refseq	NM_031168
Protein Refseq	NP_112445
Pathway	Adipogenesis, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem;
Function	cytokine activity; cytokine activity; growth factor activity; interleukin-6 receptor binding; interleukin-6 receptor binding; protein binding; receptor binding;