

Recombinant Mouse IL2, Fc-tagged

Cat. No. IL2-308M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse IL-2 (aa 21-169) is fused to the N-terminus of the Fc region of mouse IgG2a.
Species	Mouse
Source	CHO
ProteinLength	21-169 a.a.
Description	Interleukin-2 (IL-2) is a 133 amino acid glycoprotein with one intramolecular disulfide bond and variable glycosylation. It is secreted by activated T cells and induces proliferation and maturation of activated T cells, natural killer cells, and lymphokine activated killer cells. IL-2 also stimulates proliferation of antibody-producing B cells, activates neutrophils, and induces mononuclear cells to secrete IFN-gamma; and TNF-alpha; and -beta. Moreover, studies have shown that IL-2 is required for activation-induced apoptosis, an important hemeostatic mechanism in the immune system, which is involved in the maintenance of peripheral tolerance to self-antigens.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Purity	≥98% (SDS-PAGE)
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.

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Storage Short Term Storage: +4°C; Long Term Storage: -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name IL2 interleukin 2 [*Mus musculus*]

Official Symbol IL2

Synonyms IL2; interleukin 2; interleukin-2; TCGF; T-cell growth factor; IL-2;

Gene ID 16183

mRNA Refseq NM_008366

Protein Refseq NP_032392

Pathway

Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem;

Function

carbohydrate binding; cytokine activity; cytokine activity; cytokine activity; glycosphingolipid binding; growth factor activity; interleukin-2 receptor binding; interleukin-2 receptor binding; kappa-type opioid receptor binding;

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