Active Recombinant Human il2, MIgG2a Fc-tagged, mutant

Cat. No. IL2-168H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse IL-2 (NP_032392.1)(Ala21-Gln169) is fused to the N-terminus of the Fc portion of a mutant mouse IgG2a was expressed in CHO cell.
Species	Mouse
Source	NS1
ProteinLength	21-169 a.a.
Description	The protein encoded by this gene is a secreted cytokine that is important for the proliferation of T and Blymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also sharedby interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic,which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeteddisruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential roleof this gene in the immune response to antigenic stimuli
Form	Lyophilized from 0.2μm-filtered solution in PBS.
Bio-activity	Measured using CTLL-s indicator cells. Specific Activity: 1-1.5 x106 Units/mg*.
Molecular Mass	46KDa (monomer)
AA Sequence	Ala21-Gln169

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Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="">
Purity	>98%, by SDS-PAGE under reducing conditions.
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.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	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;

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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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