Active Recombinant Mouse Il5

Cat. No. Il5-121M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il5 was expressed in CHO Cells.
Species	Mouse
Source	CHO
Description	Interleukin-5 (IL-5), produced by mast cells, T cells and eosinophils, is responsible for the activities attributed to eosinophil differentiating factor, B cell growth factor II and T cell-replacing factor (TRF). It can increase production and mobilization of eosinophils and CD34+ progenitors from the bone marrow. IL-5 plays an important role in inducing cell-mediated immunity against parasitic infections and certain tumors. IL-5 also promotes differentiation of basophils and primes them for histamine and leukotriene release.Recombinant Murine IL-5 is homodimeric protein with molecular weight ranging from 25 to 40 kDa due to glycosylation.
Form	Lyophilized after extensive dialysis against PBS.
Bio-activity	ED50< 0.5="" ng/ml,="" measured="" in="" a="" cell="" proliferation="" assay="" using="" tf-1="" cells,="" corresponding="" to="" a="" specific="" activity="" of="">2×106 units/mg.
Molecular Mass	25-40 kDa, observed by non-reducing SDS-PAGE.
AA Sequence	Met21-Gly133.

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Endotoxin	< 0.2="" eu/μg,="" determined="" by="" lal="">
Purity	>95% as analyzed by SDS-PAGE and HPLC.
Storage	Lyophilized recombinant protein remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmIL-5 should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Reconstitution	Reconstituted in ddH2O or PBS at 100 μg/ml.

GENE INFORMATION

Gene Name	Il5 interleukin 5 [Mus musculus]
Official Symbol	Il5
Synonyms	IL5; interleukin 5; interleukin-5; TRF; BCGF-II; B-cell growth factor II; T-cell replacing factor; cytotoxic T-lymphocyte inducer; eosinophil differentiation factor; Il-5;
Gene ID	16191
mRNA Refseq	NM_010558
Protein Refseq	NP_034688
UniProt ID	P04401
Pathway	Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Asthma, organism-specific biosystem; Asthma, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Cytokine Signaling in Immune system, organism-

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	specific biosystem;
Function	cytokine activity; cytokine activity; growth factor activity; interleukin-5 receptor binding;

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