Recombinant Mouse IL-13

Cat. No. IL13-60M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse IL-13 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Description	Interleukin 13 (IL-13) is secreted by many cell types, but especially T helper type 2 (Th2) cells. IL-13 is an important mediator of allergic inflammation and disease. In addition to effects on immune cells, IL-13 is implicated as a central mediator of the physiologic changes induced by allergic inflammation in many tissues. The functions of IL-13 overlap considerably with those of IL-4, especially with regard to changes induced on hematopoietic cells, but these effects are probably less important given the more potent role of IL-4. Thus, although IL-13 can induce immunoglobulin E (IgE) secretion from activated human B cells, deletion of IL-13 from mice does not markedly affect either Th2 cell development or antigen-specific IgE responses induced by potent allergens. In comparison, deletion of IL-4 abrogates these responses. Thus, rather than a lymphoid cytokine, IL-13 acts more prominently as a molecular bridge linking allergic inflammatory cells to the non-immune cells in contact with them, thereby altering physiological function.
Source	Yeast
Species	Mouse
Form	Lyophilized
Molecular Mass	12.2 kDa

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	GPVPRSVSLP LTLKELIEEL SNITQDQTPL CNGSMVWSVD LAAGGFCVAL DSLTNISNCN AIYRTQRILH GLCNRKAPTT VSSLPDTKIE VAHFITKLLS YTKQLFRHGP F (111)
Applications	The Mouse IL-13 protein can be used in cell culture, as an IL-13 ELISA Standard, and as a Western Blot Control.
Storage	-20 C

GENE INFORMATION

Gene Name	Il13 interleukin 13 [Mus musculus]
Official Symbol	IL13
Synonyms	IL13; interleukin 13; interleukin-13; T-cell activation protein P600; Il-13;
Gene ID	16163
mRNA Refseq	NM_008355
Protein Refseq	NP_032381
Pathway	Asthma, organism-specific biosystem; Asthma, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytokines and Inflammatory Response (BioCarta), organism-specific biosystem; Fc epsilon RI signaling pathway, organism-specific biosystem; Fc epsilon RI signaling pathway, conserved biosystem;
Function	cytokine activity; cytokine receptor binding; interleukin-13 receptor binding;

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