

## Recombinant Mouse IL-13

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

### SPECIFICATION

<b>Product Overview</b>	Mouse IL-13 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
<b>Species</b>	Mouse
<b>Source</b>	Yeast
<b>Description</b>	<p>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.</p>
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	12.2 kDa

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

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Il13 interleukin 13 [ Mus musculus ]</a>
<b>Official Symbol</b>	IL13
<b>Synonyms</b>	IL13; interleukin 13; interleukin-13; T-cell activation protein P600; Il-13;
<b>Gene ID</b>	<a href="#">16163</a>
<b>mRNA Refseq</b>	<a href="#">NM_008355</a>
<b>Protein Refseq</b>	<a href="#">NP_032381</a>
<b>Pathway</b>	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;
<b>Function</b>	cytokine activity; cytokine receptor binding; interleukin-13 receptor binding;

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