

## Recombinant Chicken IL-13

Cat. No. IL13-58C Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Chicken IL-13 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.

**Species** Chicken

**Source** Yeast

**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.

**Form** Lyophilized

**Molecular Mass** 13.0 kDa

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<b>AA Sequence</b>	AMNLSKLLKLS DITQGGIQLN RGVQFPCNDT RVAQVAFKDR KLSEQELLCQ AATVLDNMTD CKKDYEPLIT SLKSLHGMTN CPPSTDNEIY LRNFLPALRN YTQALYRRIS ATAAN (115)
<b>Applications</b>	The Chicken 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

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