

Recombinant Canine IL-13

Cat. No. IL13-62C Lot. No. (See product label)

SPECIFICATION

Product Overview	Canine IL-13 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Canine
Source	Yeast
Description	<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>
Form	Lyophilized
Molecular Mass	12.3 kDa

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AA Sequence	SPSPVTPSPT LKELIEELVN ITQMQASLCN GSMVWSVNLT AGMYCAALES LINVSDCSAI QRTQRMLKAL CSQKPAAGIS SERSRDTKIE VIQLVKNLLT YVRGVYRHGN FR (112)
Applications	The Canine IL-13 protein can be used in cell culture, as an IL-13 ELISA Standard, and as a Western Blot Control.
Storage	-20 C

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