

Recombinant Canine IL-5

Cat. No. IL5-27C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Canine IL-5 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Description	IL-3, IL-5, and GM-CSF are important in regulating eosinophil development. Of these three cytokines, IL-5 is the most specific to the eosinophil lineage and is responsible for selective terminal differentiation of eosinophils. The IL-5 receptor is composed of an alpha and a beta-common chain. The alpha subunit is specific for the IL-5 molecule, whereas the beta-common subunit also recognized by IL-3 and GM-CSF. IL-5 is produced by both hematopoietic and non-hematopoietic cells including T cells, granulocytes, and natural helper cells. It is associated with the cause of several allergic diseases including allergic rhinitis and asthma.
Source	Yeast
Species	Canine
Form	Lyophilized
Molecular Mass	13.1 kDa
AA Sequence	VENPMNRLVAETLTLLSTHRTWLIG DGNLMIPTPENKNHQLCIKEVFQGI DTLKNQTAHGEAVDKL FQNLSLIKE HIERQKKRCAGERWRVT KFLDY LQV FLGVINTEWTPES
Applications	The Canine IL-5 protein can be used in cell culture, as an IL-5 ELISA Standard, and as a Western Blot Control.


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Storage	-20 C
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Tag	Non
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