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.
Species	Canine
Source	Yeast
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.
Form	Lyophilized
Molecular Mass	13.1 kDa
AA Sequence	VENPMNRLVAETLTLLSTHRTWLIGDGNLMIPTPENKNHQLCIKEVFQGIDTLKNQTA HGEAVDKLFQNLSLIKE HIERQKKRCAGERWRVTKFLDYLQVFLGVINTEWTPES
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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