

Product Datasheet

Canine IL-5 Protein, His Tag (MALS verified) (orb3002128)

Catalog Number	orb3002128
Category	Proteins
Description	Interleukin 5 (IL5) is an interleukin produced by type-2 T helper cells and mast cells. IL-5 is a 115-amino acid (in human, 133 in the mouse) -long TH2 cytokine that is part of the hematopoietic family. Unlike other members of this cytokine family (namely interleukin 3 and GM-CSF), this glycoprotein in its active form is a homodimer. Interleukin-5 has long been associated with the cause of several allergic diseases including allergic rhinitis and asthma, wherein a large increase in the number of circulating, airway tissue, and induced sputum eosinophils have been observed. Given the high concordance of eosinophils and, in particular, allergic asthma pathology, it has been widely speculated that eosinophils have an important role in the pathology of this disease. Drugs that target IL-5 are mepolizumab and reslizumab.
Target	IL-5
Conjugation	Unconjugated
Tag	N-10×His
Reactivity	Canine
Form/Appearance	Powder
Buffer/Preservatives	PBS, pH 7.4
Purity	90%
MW	15.0 kDa

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Application notes	This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 15.0 kDa. The protein migrates as 14 kDa and 17-20 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Expression System	HEK293
Expression Region	Val 22 - Ser 134
Storage	-20°C
Note	For research use only
NCBI	Q95J76
Expiration Date	6 months from date of receipt.

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