

Rabbit Anti-Canine IL-5 Polyclonal Antibody

Cat. No.: VD12Q7

Product Type: Animal-targeted Antibodies

Size: 100 µL

Product Overview

BioVenic rabbit anti-canine IL-5 polyclonal antibody is specific for canine IL-5. It was produced in rabbit hybridoma and protein A purified. It can be applied to ELISA assay.

Specifications

Application	ELISA
Clonality	Polyclonal Antibody
Clone	D7Q10
Host	Rabbit
Target Species	Canine
Species Reactivity	Canine
Specificity	Canine IL-5
Isotype	IgG
Immunogen	Recombinant Canine IL-5 Protein
Purification	Protein A Purified
Purity	≥ 95% (SDS-PAGE)
Conjugation	Unconjugated
Buffer	Phosphate buffered saline
Physical State	Liquid

Target Information

Canine IL-5 (Interleukin-5) is a cytokine primarily produced by activated CD4⁺ T helper type 2 cells, mast cells, and eosinophils. It plays a critical role in the differentiation and activation of eosinophils; increasing expression of surface C3b_i complement receptors, stimulating release of superoxide anion, and potentiating Ig-induced eosinophil degranulation. These IL-5 effects lead to profound and lifelong eosinophilia in transgenic mice. IL-5 is also involved in priming basophils for increased histamine production and leukotri

ene generation. It has a critical role in eosinophil activation, making it a target for experimental treatment of diseases associated with excessive eosinophils, including certain allergic diseases in dogs.

Target	Canine IL-5
Target Synonym	interleukin-5
Gene ID	403790
UniProt ID	Q95J76

Shipping and Storage

This product is shipped with dry ice. Store at -20°C to -80°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

Reference

Caput, Daniel, *et al.* "Cloning and characterization of a specific interleukin (IL)-13 binding protein structurally related to the IL-5 receptor α chain." *Journal of Biological Chemistry* 271.28 (1996): 16921-16926.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.