

Rabbit Anti-Canine Interleukin 4 (IL4) Polyclonal Antibody-[HRP]

Cat. No.: VD11N543

Product Type: Animal-targeted Antibodies

Size: 100 µg; 200 µg; 1 mg

Product Overview

BioVenic rabbit polyclonal antibody is specific for canine interleukin 4. It is affinity purified by protein G. It can be applied to ELISA assay of canine interleukin 4.

Specifications

Application	ELISA
Clonality	Polyclonal
Classification	Primary Antibody
Clone	J1N50
Host	Rabbit
Target Species	Canine
Species Reactivity	Canine
Specificity	Canine Interleukin 4
Isotype	IgG
Immunogen	Recombinant protein of interleukin 4
Purification	Protein G Purified
Purity	> 95%
Conjugation	HRP
Preservative and Stabilizer	0.03% Proclin 300
Buffer	0.01M Phosphate Buffered Saline, pH 7.4, 50% Glycerol
Physical State	Liquid

Target Information

Canine interleukin 4 (IL-4) is a pleiotropic cytokine produced by T helper type 2 (Th2) cells, mast cells, and basophils, playing a central role in immune responses to parasites and allergens. IL-4 drives the differentiation of naive T cells into Th2 cells and regulates i

mmunoglobulin class switching to IgE, which is crucial for type I hypersensitivity reactions and allergic responses. This cytokine is also involved in the pathogenesis of allergic conditions like asthma and atopic dermatitis.

Target	Canine Interleukin 4
Target Synonym	IL4
Gene ID	403785
UniProt ID	O77762

Shipping and Storage

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

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.