9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IL31 Canine, His

Interleukin-31 Canine Recombinant, His Tag
CYK0425

Product Overview

Name	IL31 Canine, His
Description	
Interleukin-31 Canine Recombinant, His Tag	
Accession (Primary)	C7G0W1
Synonyms	
IL-31, Interleukin 31, IL31.	
Introduction	
IL-31 produced by activated Th2-type T cells, cooperates with a heterodimeric receptor consisting of IL-31 Receptor Anatagonist and Onconstatin-M Receptor that is continuesly expressed on epithelial cells and keratinocytes. IL-31 plays a role in the promotion of allergic skin disorders and in regulating other allergic diseases, such as asthma. IL-31 is involved in the itching sensation and endorses the scratching behavior in NC/Nga mice with atopic dermatitis. IL-31 expression is connectd with CLA(+) T cells and contributes to the development of atopic dermatitis-induced skin inflammation and pruritus. IL-31 is a powerful inducer of proinflammatory mediators in human colonic SEMFs. IL-31 takes part as a proinflammatory cytokine derived from Th2 cells. Serum IL-31 level is higher in patients with atopic dermatitis. IL-31 is involved in a broad range of immune- & non-immune cells & possesses potential pleiotropic physiological functions, including regulating hematopoiesis & immune response, causing inflammatory bowel disease, airway hypersensitivity & dermatitis.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
IL31 Canine protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	

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Amino acid sequence

SHMAPTHQLP PSDVRKIILE LQPLSRGLLE DYQKKETGVP ESNRTLLLCL TSDSQPPRLN SSAILPYFRA

IRPLSDKNII DKIIEQLDKL KFQHEPETEI SVPADTFECK SFILTILQQF SACLESVFKS LNSGPQ HHHH HH.

Precautions

IL31 Canine, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (C7G0W1)