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32-6475: IL31 Canine

Alternative Name : IL-31, Interleukin 31, IL31.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
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.
IL31 Canine produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 136 amino acids (24-159 aa) and having a molecular mass of 15.3kDa.IL31 is purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater thanÂ 95.0%Â as determined by SDS-PAGE.
Content :	The IL31 solution (0.25mg/ml) contains 20% Glycerol and Phosphate Buffered Saline (pH 7.4).
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	SHMAPTHQLP PSDVRKIILE LQPLSRGLLE DYQKKETGVP ESNRTLLLCL TSDSQPPRLNSSAILPYFRA IRPLSDKNII DKIIEQLDKL KFQHEPETEI SVPADTFECK SFILTILQQF SACLESVFKSLNSGPQ

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