

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 Antagonist and Oncostatin-M Receptor that is continuously 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 connected 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 than 95.0% 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 ESNRTL LLLCL TSDSQPPRLNSSAILPYFRA
IRPLSDKNII DKIIQLDKL KFHQEPETEI SVPADTFECK SFILTILQQF SACLESVFKSLNSGPQ