
Product Data Sheet

Product Name: IL31 Mouse
 Cat. No.: GP20641
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Interleukin 31; IL31; IL-31.		
Amino Acid Sequence	MTCSLSFGAP ISKEDLRTTI DLLKQESQDL YNNYSIKQAS GMSADESIQL PCFSLDREAL TNISVIIAHL EKVKVLSSENT VDTSWVIRWL TNISCFNPLN LNISVPGNTD ESYDCKVFL TVLKQFSNCM AELQAKDNTT C.		
Solubility	It is recommended to reconstitute the lyophilized IL31 in sterile 18MΩ - cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The IL31 (1mg/ml) was lyophilized from 10mM sodium Phosphate pH-7.5.		

Introduction

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 re

Stability

Lyophilized IL31 Recombinant although stable at room temperature for 3 weeks, should

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be stored desiccated below -18°C . Upon reconstitution IL31 should be stored at 4°C between 2-7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

Background

IL31 mouse recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 141 amino acids and having a molecular mass of 15.7 kDa.

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