9051 Mira Mesa Blvd, #910094
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IL21 Canine

Interleukin-21 Canine Recombinant
CYK0412

Product Overview

Name	IL21 Canine

Description

Interleukin-21 Canine Recombinant

Synonyms

Interleukin-21.

Introduction

Interleukin-21 isoform 1 or IL21, categorized as a T helper cytokine. IL21 is part of the regulation of immune responses, haematopoiesis and cell-mediated responses. IL21 takes a main part in haematopoiesis and immune responses regulation, therefore can affect lymphocyte development. Activation of T cells leads to production of the IL21 which has an important role in the viral infections persistence.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

IL21 protein solution (0.5mg/ml) containing Phosphate-Buffered Saline (pH7.4).

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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MHKSSFQEQD LLLIRMRQLI DIVDQLKNYV NDLDPESLPA PEDVKRHCER SAFSCFQKVQ LKAANTGGNE QIINVLTKQL KRKLPPTNAG RRQKHRPACP SCDSYEKAPP KEFLERLKSL IQKMIHQHLS

Biological Activity

The activity is determined by the IFN-g ELISA in a using NK-92 human natural killer cells. The ED50 range ≤ 2ng/ml.

Precautions

IL21 Canine is for research use only and not for use in diagnostic or therapeutic procedures.

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