9051 Mira Mesa Blvd, #910094
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IL-4 Canine

Interleukin-4 Canine Recombinant
CYK0451

Product Overview

Name	IL-4 Canine

Description

Interleukin-4 Canine Recombinant

Accession (Primary)	P05112

Synonyms

BCGF, BCDF, B cell stimulating factor, BSF-1, Lymphocyte stimulatory factor 1, IL-4, MGC79402, Binetrakin, Pitrakinra.

Introduction

IL4 is a pleiotropic cytokine produced by activated T cells. IL4 is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which contributes to various overlapping roles of this cytokine and IL13. STAT6, a signal transducer and activator of transcription plays a main role in mediating the immune regulatory signal of this cytokine. IL4, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. IL4, IL13 and IL5 are regulated co-ordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The protein was lyophilized from a sterile (0.2 µm) filtered solution containing 0.1% Trifluoroacetic Acid (TFA).

Stability

Lyophilized IL-4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-4 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MHNFNITIKE IIKMLNILTA RNDSCMELTV KDVFTAPKNT SDKEIFCRAA TVLRQIYTHN CSNRYLRGLY

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RNLSSMANKT CSMNEIKKST LKDFLERLKV IMQKKYYRH.

Biological Activity