

Canine IL-4 Recombinant Protein



RPPB0512

Product Information Protein Information

Product SKU:

RPPB0512

Accession:

P05112

Host:

Escherichia Coli.

Protein description:

Interleukin-4 Canine Recombinant produced in E. coli is a non-glycosylated monomer chain containing 109 amino acids and having a molecular mass of 12.9kDa. IL-4 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

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

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IL-4 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

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.

Amino Acid Sequence:

MHNFNITKE IIKMLNILTA RNDSCMELTV KDVFTAPKNT SDKEIFCRAA TVLRQIYTHN CSNRYLRGLY
RNLSSMANKT CSMNEIKKST LKDFLERLKV IMQKKYYRH.

Biological Activity:

The ED₅₀, as determined by TF-1 cell proliferation is <25ng/ml corresponding to a specific activity which is ≥ 4.0 x 10⁴ units/mg.