9051 Mira Mesa Blvd, #910094
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IL 13 Rhesus Macaque

Interleukin-13 Rhesus Macaque Recombinant
CYK0252

Product Overview

Name IL 13 Rhesus Macaque

Description

Interleukin-13 Rhesus Macaque Recombinant

Synonyms

NC30, ALRH, BHR1, P600, IL-13, MGC116786, MGC116788, MGC116789.

Introduction

IL13 is an immunoregulatory cytokine produced primarily by activated Th2 cells. IL-13 is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2?m filtered concentrated solution in PBS, pH 7.4 containing 5% trehalose.

Stability

Lyophilized IL-13 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-13 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 97.0% as determined by SDS-PAGE and HPLC analyses.

Amino acid sequence

SPSPVPRSTA LKELIEELVN ITQNQKAPLC NGSMVWSINL TAGVYCAALE SLINVSGCSA IEKTQRMLNG FCPHKVSAGQ FSSLRVRDTK IEVAQFVKDL LVHLKKLFRE GRFN

Biological Activity

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Solubility

It is recommended to reconstitute the lyophilized IL-13 in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL 13 Rhesus Macaque is for research use only and not for use in diagnostic or therapeutic procedures.