PRODUCT INFORMATION

Target IL13

Synonyms IL-13;NC30

Recombinant human IL13(35-146) protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** P35225 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Storage & Shipping

Background

IL13(Gly35-Asn146) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight**

38.4 kDa after removal of the signal peptide. The apparent molecular mass of IL13(35-146)-hFc is approximately 33-53 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & Reconstitution

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store

at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine 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-repulates 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 particularly close to IL4. [provided by RefSeq, Jul 2008]

> Email: info@dimabio.com Website: www.dimabio.com

Usage Research use only Conjugate Unconjugated

Figure 1. Human IL13(35-146) Protein, hFc Tag on SDS-PAGE under reducing condition.



