

PRODUCT INFORMATION

IL₁₀ **Target**

CSIF;GVHDS;IL-10;IL10A;TGIF **Synonyms**

Recombinant Human IL10 Protein with N-terminal Description

human Fc tag

Delivery In Stock **Uniprot ID** P22301 **Expression Host HEK293**

Tag N-Human Fc Tag

Molecular

Background

hFc(Glu99-Ala330) IL10(Ser19-Asn178) Characterization

The protein has a predicted molecular mass of 44.8 kDa after removal of the signal peptide. The

Molecular Weight apparent molecular mass of hFc-IL10 is

approximately 35-55 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 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

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

temperature.

The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has

extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the cytokine as an essential immunoregulator in the intestinal tract. Mutations in this gene are associated with an increased susceptibility to

HIV-1 infection and rheumatoid arthritis. [provided by RefSeq, May 2020]

Usage Research use only Conjugate Unconjugated







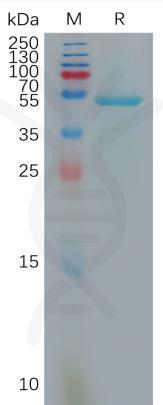


Figure 1. Human IL10 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human IL10, hFc Tagged protein ELISA

0.2 μg of Human IL10, hFc tagged protein per well

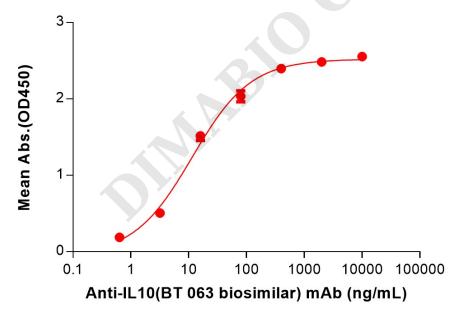


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human IL10 Protein, hFc Tag (PME100878) can bind Anti-IL10(BT 063 biosimilar) mAb (BME100254) in a linear range of 0.64–80 ng/mL.

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

