

Datasheet for ABIN6964397

**IL-21 Protein (AA 30-162) (Fc Tag)**[Go to Product page](#)**3** Images

## Overview

Quantity:	100 µg
Target:	IL-21 (IL21)
Protein Characteristics:	AA 30-162
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-21 protein is labelled with Fc Tag.
Application:	ELISA

## Product Details

Purpose:	Recombinant Human IL21 with C-terminal Human Fc tag
Specificity:	IL21 (Gln30-Ser162) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	IL-21 (IL21)
Alternative Name:	IL21 ( <a href="#">IL21 Products</a> )

## Target Details

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Background:	This gene encodes a member of the common-gamma chain family of cytokines with immunoregulatory activity. The encoded protein plays a role in both the innate and adaptive immune responses by inducing the differentiation, proliferation and activity of multiple target cells including macrophages, natural killer cells, B cells and cytotoxic T cells. Dysregulation of this gene plays a role in multiple immune-mediated diseases including lupus, psoriasis and chronic inflammatory diseases. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]
Molecular Weight:	predicted molecular mass of 41.6 kDa after removal of the signal peptide. The apparent molecular mass of IL21-hFc is 35-55 kDa due to glycosylation.
UniProt:	<a href="#">Q9HBE4</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>

## Application Details

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Restrictions:	For Research Use only
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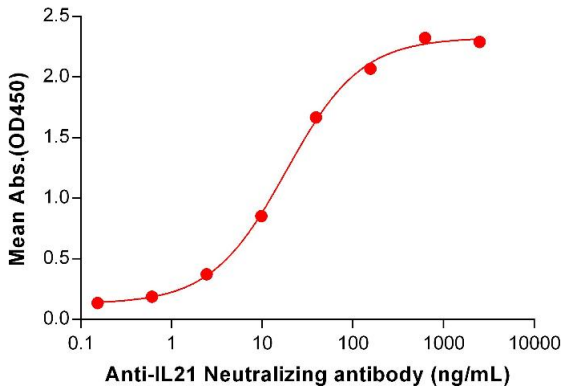
## Handling

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Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	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.
Expiry Date:	12 months

**Human IL21, hFc Tagged protein ELISA**

0.2 µg of Human IL21, hFc tagged protein per well



**ELISA**

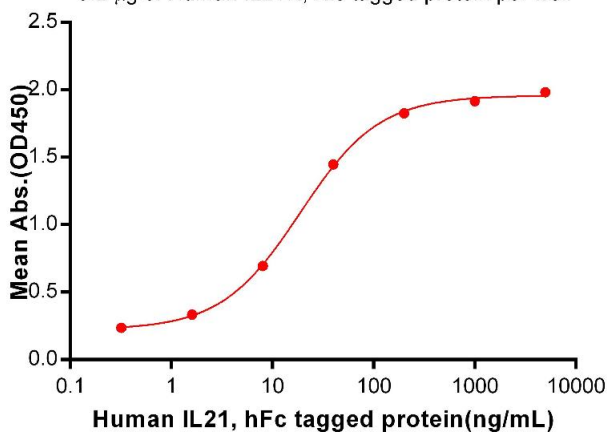
**Image 1.** ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL21 Protein, hFc Tag (ABIN6964397, ABIN7042851 and ABIN7042852) can bind Anti-IL21 Neutralizing antibody ABIN7478002 and ABIN7490948 in a linear range of 2.44-156.25 ng/mL.

**SDS-PAGE**

**Image 2.** Human IL21 Protein, hFc Tag on SDS-PAGE under reducing condition.

**Human IL21, hFc tagged protein ELISA**

0.2 µg of Human IL21R, His tagged protein per well



**ELISA**

**Image 3.** ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL21R, His tagged protein ABIN7092745, ABIN7272298 and ABIN7272299 can bind Human IL21, hFc Tagged protein (ABIN6964397, ABIN7042851 and ABIN7042852) in a linear range of 1.6-40 ng/mL.