

Datasheet for ABIN7455730

**IL23A Protein (AA 20-189) (Fc Tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	10 µg
Target:	IL23A
Protein Characteristics:	AA 20-189
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL23A protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Human IL23A Protein with C-terminal human Fc tag
Specificity:	IL23A (Arg20-Pro189) 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:	IL23A
Alternative Name:	IL23A ( <a href="#">IL23A Products</a> )
Background:	This gene encodes a subunit of the heterodimeric cytokine interleukin 23 (IL23). IL23 is

## Target Details

composed of this protein and the p40 subunit of interleukin 12 (IL12B). The receptor of IL23 is formed by the beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can activate the transcription activator STAT4, and stimulate the production of interferon-gamma (IFNG). In contrast to IL12, which acts mainly on naive CD4( ) T cells, IL23 preferentially acts on memory CD4( ) T cells. [provided by RefSeq, Jul 2008]

Molecular Weight:	predicted molecular mass of 44.8 kDa after removal of the signal peptide. The apparent molecular mass of IL23A-hFc is 35-55 kDa due to glycosylation.
UniProt:	<a href="#">Q9NPF7</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Activated T Cell Proliferation</a>

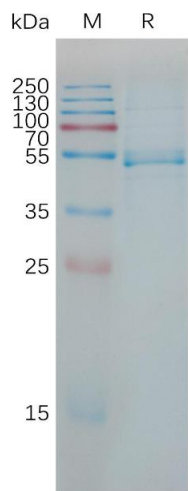
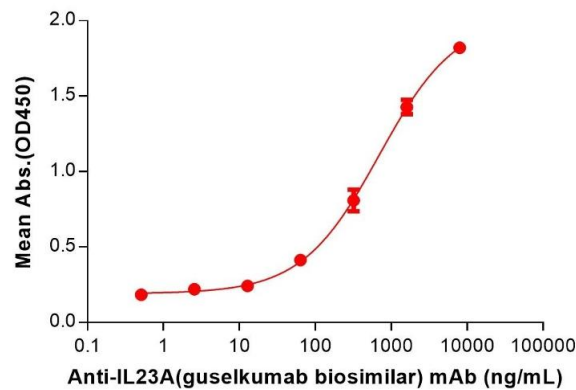
## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

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 IL23A, hFc Tagged protein ELISA**  
0.2 µg of Human IL23A, hFc tagged protein per well



**ELISA**

**Image 1.** ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL23A Protein, hFc Tag (ABIN7455730, ABIN7491310 and ABIN7491311) can bind Anti-IL23A(guselkumab biosimilar) mAb ((ABIN7538767)) in a linear range of 0.064-1.6 µg/mL.

**SDS-PAGE**

**Image 2.** Human IL23A Protein, hFc Tag on SDS-PAGE under reducing condition.