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Datasheet for ABIN6964364

IL1A Protein (AA 113-271) (Fc Tag)

2 Images

Overview

Quantity:	100 µg
Target:	IL1A
Protein Characteristics:	AA 113-271
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1A protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human IL1A Protein with C-terminal human Fc tag
Specificity:	IL1A (Ser113-Ala271) 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 90 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	IL1A
Alternative Name:	IL1A (IL1A Products)
Background:	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine

Target Details

is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces apoptosis. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer's disease. [provided by RefSeq, Jul 2008]

Molecular Weight: predicted molecular mass of 44.2 kDa after removal of the signal peptide. The apparent molecular mass of IL1A-hFc is 35-55 kDa due to glycosylation.

UniProt: [P01583](#)

Pathways: [NF-kappaB Signaling](#), [Autophagy](#), [Cancer Immune Checkpoints](#)

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.

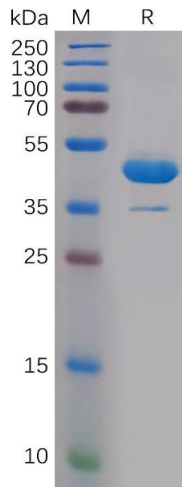
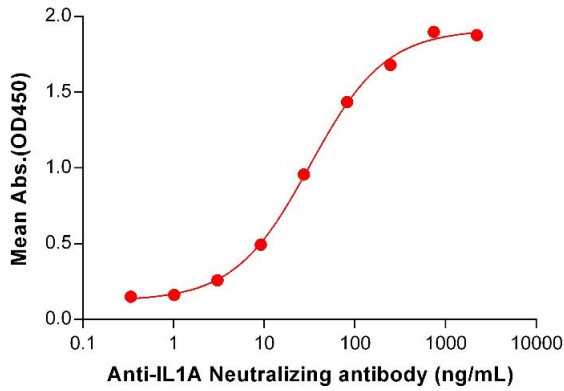
Storage: -20 °C, -80 °C

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 IL1A, hFc Tagged protein ELISA

0.2 µg of Human IL1A, hFc tagged protein per well



ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL1A Protein, hFc Tag (ABIN6964364, ABIN7042809 and ABIN7042810) can bind Anti-IL1A Neutralizing antibody ABIN7477996 and ABIN7490932 in a linear range of 3.05-740.74 ng/mL.

SDS-PAGE

Image 2. Human IL1A Protein, hFc Tag on SDS-PAGE under reducing condition.