

Datasheet for ABIN6719759

IL1A ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	1 kit
Target:	IL1A
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	4.7 pg/mL - 300 pg/mL
Minimum Detection Limit:	4.7 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Hematopoietin 1, IFL, IFN, IFN alpha, IFN-alpha-1/13, IFNA@, IFNA1, IFNA1_HUMAN, IFNA13, IFNAP22, IL 1 alpha, Il 1a, IL1, IL1 ALPHA, IL1F1, IliA, Interferon Alpha, Interferon alpha 1, Interferon alpha 1/13, Interferon alpha 1/13 precursor, Interferon alpha 13, Interferon alpha D, Interferon alpha leukocyte, Interferon alpha-1/13, Interferon alpha-D, Interferon leukocyte, Interleukin 1 alphas, Interleukin1 alpha, LeIF D, Preinterleukin 1, Pro interleukin 1, Pro interleukin 1 alpha, Prointerleukin 1</p> <p>Background: Interleukin-1 alpha(IL-1 alpha) and interleukin-1 beta(IL-1 beta) are two biochemically distinct, but distantly related, polypeptidic cytokines that play a key role in</p>

Product Details

inflammation, immunologic reactions, and tissue repair. IL-1 alpha has been implicated in the pathogenesis of infectious, autoimmune and inflammatory diseases. Recently, it has been shown that IL-1 alpha is identical to hematopoietin 1, which is described as a hematopoietic growth factor acting on early progenitor cells in synergy with other hematopoietic growth factors. The human interleukin 1 alpha gene is assigned to chromosome 2. Genetic polymorphisms at interleukin(IL)-1alpha and IL-1beta have been recently suggested to be associated with severity of adult periodontitis. The murine IL-1 alpha and IL-1 beta genes encode structurally and evolutionarily related cytokines that exert a regulatory role in numerous physiological processes including hemopoiesis. The standard product used in this kit is recombinant human IL-1alpha with the molecular mass of 18 kDa.

Gene Name: IL1A

Production: Natural and recombinant human IL-1 alpha. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: S113-A271

Target Details

Target: IL1A

Alternative Name: IL-1 alpha ([IL1A Products](#))

Gene ID: 3552

NCBI Accession: [NP_000566](#)

UniProt: [P01583](#)

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

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 300pg/mL, 150pg/mL, 75pg/mL, 37.5pg/mL, 18.8pg/mL, 9.4pg/mL, 4.7pg/mL human IL-1 alpha standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA, citrate) to each empty well. We recommend that each human IL-1 alpha standard solution and each sample is measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 4.7pg/mL-300pg/mL

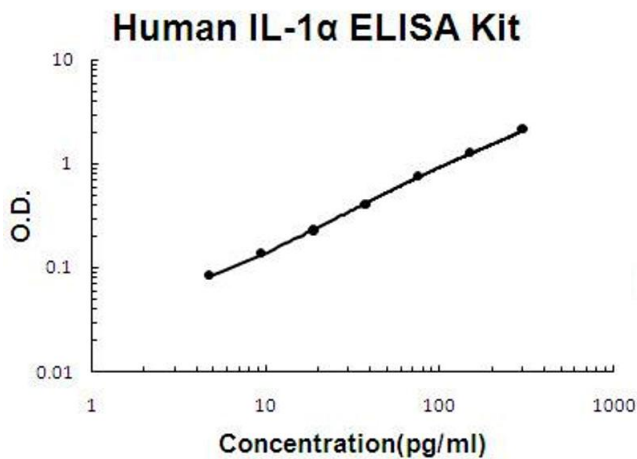
Application Details

Sample Volume:	100 μ L
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT, 4 °C, -20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human IL-1 alpha Accusignal ELISA Kit Human IL-1 alpha AccuSignal ELISA Kit standard curve. Assay Range: 4.7pg/ml-300pg/ml. Sensitivity: <0.5pg/ml.