

Datasheet for ABIN6719687 IL1A ELISA Kit



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1 Image

Overview

Quantity:	1 kit
Target:	IL1A
Reactivity:	Mouse
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, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Hematopoietin 1, IL 1 alpha, Il 1a, IL1, IL1 ALPHA, IL1A, IL1F1, Ili1, Interleukin 1 alpha, Interleukin 1 alpha precursor, Interleukin1 alpha, OTTHUMP00000203692, OTTMUSP00000016430, Preinterleukin 1, Pro interleukin 1, Pro interleukin 1 alpha, Prointerleukin 1, RP23-160G19.8</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 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</p>

Product Details

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.¹ 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 mouse IL-1alpha with the molecular mass of 18 kDa.

Gene Name: IL1A

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

Standard: Expression system for standard: E.coli, Immunogen sequence: S115-S270

Target Details

Target:	IL1A
Alternative Name:	IL-1 alpha (IL1A Products)
Gene ID:	16175
NCBI Accession:	NP_034684
UniProt:	P01582
Pathways:	NF-kappaB Signaling , Autophagy , Cancer Immune Checkpoints

Application Details

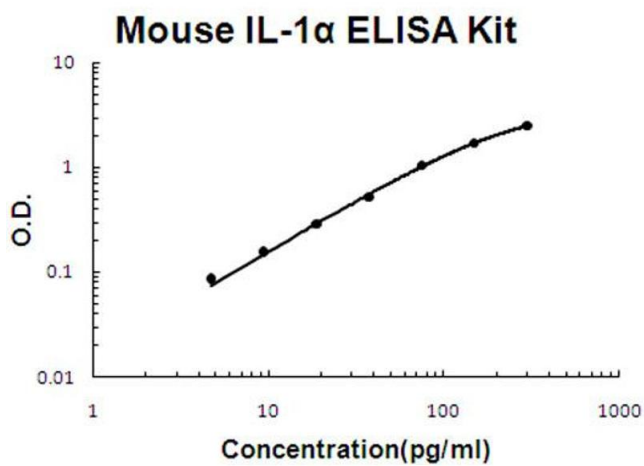
Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 300pg/mL, 150pg/mL, 75pg/mL, 37.5pg/mL, 18.8pg/mL, 9.4pg/mL, 4.7pg/mL mouse IL-1 alpha standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates or serum to each empty well. We recommend that each mouse IL-1 alpha standard solution and each sample is measured in duplicate. ELISA Dilution: 4.7pg/mL-300pg/mL
Sample Volume:	100 µL
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. Mouse IL-1 alpha Accusignal ELISA Kit Mouse IL-1 alpha AccuSignal ELISA Kit standard curve. Assay Range: 4.7pg/ml-300pg/ml. Sensitivity: <1pg/ml.