

Datasheet for ABIN6719969

IL-18 ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	1 kit
Target:	IL-18 (IL18)
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Iboctadekin, IFN gamma inducing factor, IFN-gamma-inducing factor, IGIF, IL 1 gamma, IL 18, IL 1g, IL-1 gamma, IL-18, IL1 gamma, IL18, IL18 protein, IL18_HUMAN, IL1F4, IL1g, IL1gamma, ILIF4, Interferon gamma inducing factor, Interferon gamma-inducing factor, Interleukin 1 gamma, Interleukin 18, Interleukin-1 gamma, Interleukin-18, Interleukin18, MGC12320</p> <p>Background: Interleukin(IL)-18, also called Interferon-gamma-inducing factor(IGIF), augments natural killer(NK) activity in spleen cells. The gene encodes a precursor protein of 192 amino acids and a mature protein of 157 amino acids.1 IL-18 is a recently discovered cytokine that</p>

Product Details

modulates both T helper type 1(Th1) and Th2 responses.² IL-18 is a potent proinflammatory cytokine with potential atherogenic properties. It is highly expressed in the atherosclerotic plaques compared with control normal arteries and is localized mainly in plaque macrophages.³

Gene Name: IL18

Production: Natural and recombinant rat IL-18. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: H37-S194

Target Details

Target:	IL-18 (IL18)
Alternative Name:	IL-18 (IL18 Products)
Gene ID:	29197
NCBI Accession:	NP_062038
UniProt:	P97636
Pathways:	Cellular Response to Molecule of Bacterial Origin , Activated T Cell Proliferation , Cancer Immune Checkpoints , Inflammasome

Application Details

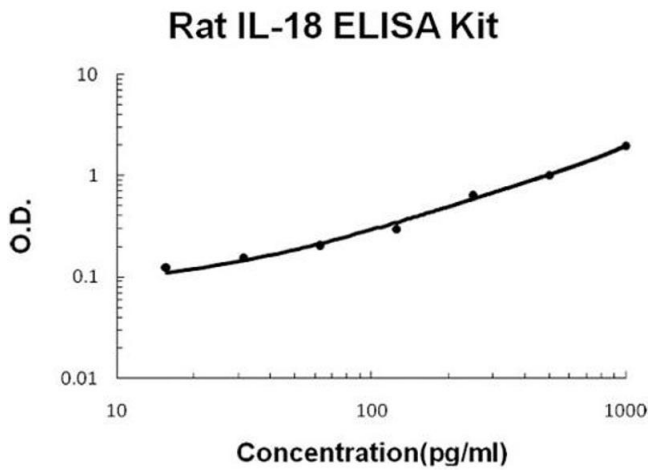
Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL rat IL-18 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of rat cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each rat IL-18 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 15.6pg/mL-1000pg/mL</p> <p>Other Performance Data: DOE: 2-8° C - 04/22/18 -20° C - 10/23/18</p>
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. Rat IL-18 Accusignal ELISA Kit Rat IL-18 AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.