

Datasheet for ABIN6720339

IL-33 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	1 kit
Target:	IL-33 (IL33)
Reactivity:	Human
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 Lysate, Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: C9orf26, DVS27, DVS27 related protein, IL-1F11, IL-33, IL1F11, IL33, IL33_HUMAN, Interleukin-1 family member 11, Interleukin-33, NF-HEV, NFEHEV, Nuclear factor from high endothelial venules, RP11-575C20.2</p> <p>Background: Interleukin 33(IL-33) is a cytokine belonging to the IL-1 superfamily. The IL33 gene maps to chromosome 9p24.1 by using of genomic database analysis. Recombinant mature human IL33 bound to ST2. The induction of type 2 cytokines by IL-33 in vivo is believed to induce the severe pathological changes observed in mucosal organs following administration of IL-33. IL33, an alarmin released from necrotic cells, is necessary for potent CD8 + T cell(CTL)</p>

Product Details

responses to replicating, prototypic RNA, and DNA viruses in mice. IL33 prevented the downregulation of CXCR2 and inhibition of chemotaxis induced by activation of TLR4, and found that IL33 reverses the TLR4-induced reduction of CXCR2 expression via the inhibition of expression of GRK2.

Gene Name: IL33

Production: Natural and recombinant human IL-33. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: S112-T270

Target Details

Target:	IL-33 (IL33)
Alternative Name:	IL-33 (IL33 Products)
Gene ID:	90865
NCBI Accession:	NP_001186569
UniProt:	O95760
Pathways:	Production of Molecular Mediator of Immune Response

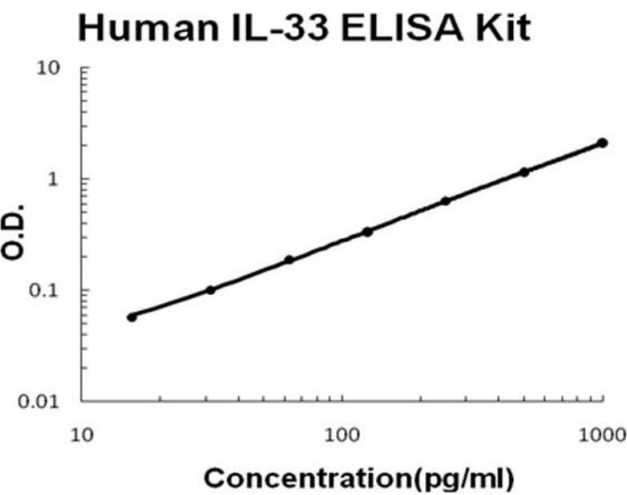
Application Details

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 human IL-33 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, plasma(heparin, EDTA) or cell lysates to each empty well. It is recommended that each human IL-33 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>
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. Human IL-33 Accusignal ELISA Kit Human IL-33 AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <10pg/ml.