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Datasheet for ABIN6720200

IL-33 ELISA Kit

1 Image

Overview

Quantity:	1 kit
Target:	IL-33 (IL33)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 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: 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, RP11-575C20.3</p> <p>Background: Interleukin 33(IL-33) is a cytokine belonging to the IL-1 superfamily. By genomic sequence analysis, the IL33 gene is mapped to chromosome 9p24.1 and its mouse homolog to a syntenic region on chromosome 19qC1. 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</p>

Product Details

CD8 + T cell(CTL) 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 mouse IL-33. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: S109-I266

Target Details

Target: IL-33 (IL33)

Alternative Name: IL-33 ([IL33 Products](#))

Gene ID: 77125

NCBI Accession: [NP_001158196](#)

UniProt: [Q8BVZ5](#)

Pathways: [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL mouse 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse IL-33 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 31.2pg/mL-2000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

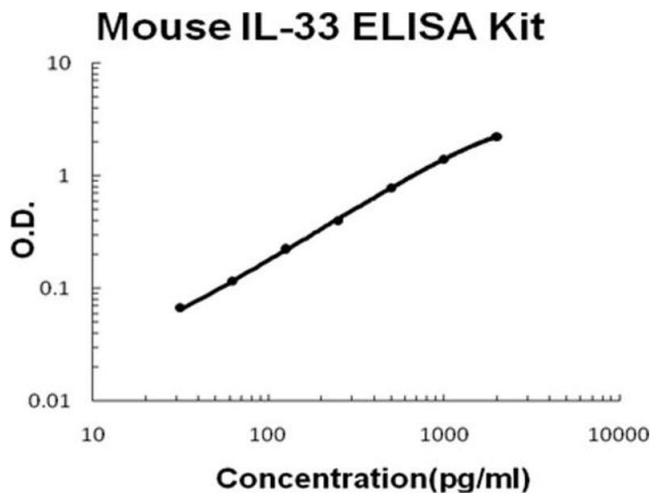
Restrictions: For Research Use only

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-33 Accusignal ELISA Kit Mouse IL-33 AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.