

Datasheet for ABIN6720170
IL16 ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	1 kit
Target:	IL16
Reactivity:	Human
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: FLJ16806, FLJ42735, FLJ44234, HsT19289, IL-16, IL16, IL16_HUMAN, Interleukin 16, Interleukin 16 precursor, Interleukin-16, KIAA4048, LCF, Lymphocyte chemoattractant factor, mKIAA4048, Neuronal interleukin 16, NIL16, PrIL16, Pro interleukin 16, Prointerleukin 16</p> <p>Background: Interleukin 16(IL-16) is a cytokine that released by a variety of cells(including lymphocytes and some epithelial cells) that has been characterized as a chemoattractant for certain immune cells expressing the cell surface molecule CD4. By Southern blot analysis and PCR using a human/rodent somatic cell hybrid mapping panel, The human IL16 is encoded by a single-copy gene on chromosome 15. Using a combination of STS-content mapping, radiation-</p>

Product Details

hybrid mapping, and genetic mapping, it was refined the assignment to 15q26.1. The mouse IL16 gene was mapped to chromosome 7 in a region showing homology of synteny to human 15q26.1. IL-16 was originally described as a factor that could attract activated T cells in humans, it was previously called lymphocyte chemoattractant factor(LCF), and the augmentation of IL16stimulation by CCR5 plays a role in regulation of Th1 cell recruitment and activation at sites of inflammation.

Gene Name: IL16

Production: Natural and recombinant human IL-16. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: P2-S130

Target Details

Target:	IL16
Alternative Name:	IL-16 (IL16 Products)
Gene ID:	3603
NCBI Accession:	NP_001165599
UniProt:	Q14005

Application Details

Application Notes:	<p>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 human IL-16 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 and plasma(heparin, EDTA) to each empty well. It is recommended that each human IL-16 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 31.2pg/mL-2000pg/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

