

Datasheet for KOA0240**Human IL-16 ELISA Kit****Overview**

Description:	Human IL-16 AccuSignal ELISA Kit - KOA0240
Item No.:	KOA0240
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

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-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.
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
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	IL16
Reactivity:	Human

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: P2-S130
Purity/Specificity:	Natural and recombinant human IL-16. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q14005 • NCBI - NP_001165599.1 • GenelD - 3603 • KOA0240 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	31.2 pg/ml-2000 pg/ml
Other:	DOE: 2-8° C - 07/25/2021 -20° C - 01/25/2022

Formulation

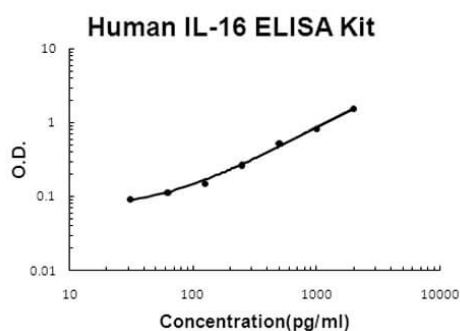
Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.

Expiration: See kit insert for complete instructions.

Images



ELISA

Human IL-16 AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.