

Datasheet for KOA0463**Human IL-17RA ELISA Kit****Overview**

Description:	Human IL-17RA AccuSignal ELISA Kit - KOA0463
Item No.:	KOA0463
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

Background:	Interleukin 17 receptor A, also known as IL17RA and CDw217 (cluster of differentiation w217), is a human gene. The IL17R gene is mapped to 22q11.22-q11.23 by radiation hybrid analysis. Interleukin 17A (IL17A) is a proinflammatory cytokine secreted by activated T-lymphocytes. It is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. The protein encoded by this gene is a ubiquitous type I membrane glycoprotein that binds with low affinity to interleukin 17A. Interleukin 17A and its receptor play a pathogenic role in many inflammatory and autoimmune diseases such as rheumatoid arthritis. Like other cytokine receptors, this receptor likely has a multimeric structure. Also, it is showed that mouse IL17r bound HSV-13 and mouse IL17. Recombinant soluble IL17r inhibited mitogen-induced T-cell proliferation and IL2 production.
Synonyms:	CANDF5, CD217, CD217 antigen, CDw217, CTLA8, HIL 17R, IL17RA_HUMAN, IL 17 receptor A, IL 17 receptor, IL 17RA, IL-17 receptor A, IL-17RA, IL17, IL17A receptor, IL17R, IL17RA, Interleukin 17 receptor A, Interleukin-17 receptor A, MGC10262
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	IL17RA
Reactivity:	Human

Immunogen:	Expression system for standard: NSO; Immunogen sequence: L33-W320
Purity/Specificity:	Natural and recombinant human IL-17RA. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q96F46 • NCBI - NP_001276834.1 • GenelD - 23765 • KOA0463 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-17RA 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-17RA 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.

Formulation

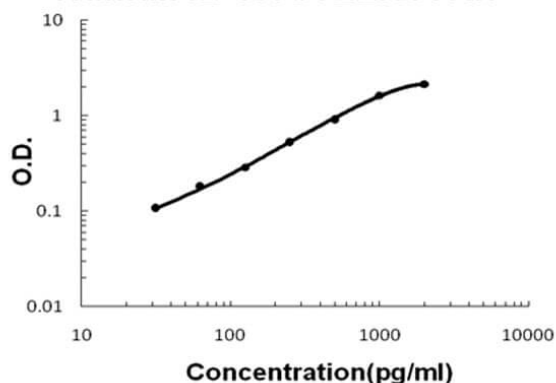
Anticoagulant:	Heparin Sodium
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Shipping & Handling

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

Human IL-17RA ELISA Kit



ELISA

Human IL-17RA 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.