

Datasheet for KOA0241**Human IL-17 ELISA Kit****Overview**

Description:	Human IL-17 AccuSignal ELISA Kit - KOA0241
Item No.:	KOA0241
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

Background:	IL-17 is an inflammatory cytokine produced primarily by a unique lineage of CD4 T cells that plays critical roles in the pathogenesis of multiple autoimmune diseases. Interleukin-17 is expressed by activated T cells and is 57% identical to the 17- to 26-kD secretory glycoprotein encoded by gene 13 of the herpesvirus saimiri (HVS-13). IL17 induces nuclear factor kappa-B and the expression of IL6, intercellular adhesion molecule-1, granulocyte macrophage colony-stimulating factor, and prostaglandin E2, as well as the maturation of CD34 positive hematopoietic precursors into neutrophils. Anti-IL17 antibodies significantly inhibited osteoclast formation induced by culture media of RA synovial tissues. The standard product used in this kit is recombinant human IL-17, consisting of 136 amino acids with the molecular mass of 16kDa.
Synonyms:	CTLA 8, CTLA-8, CTLA8, Cytotoxic T lymphocyte associated antigen 8, Cytotoxic T lymphocyte associated protein 8, Cytotoxic T lymphocyte associated serine esterase 8, Cytotoxic T-lymphocyte-associated antigen 8, IL 17, IL 17A, IL-17, IL-17A, IL17_HUMAN, Il17a, Interleukin 17A, Interleukin-17A, Interleukin17, Interleukin17A
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<1 pg/ml

Target Details

Gene Name:	IL17A
Reactivity:	Human

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: I20-A155
Purity/Specificity:	Natural and recombinant human IL-17. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q16552 • NCBI - NP_002181.1 • GenelD - 3605 • KOA0241 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-17 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-17 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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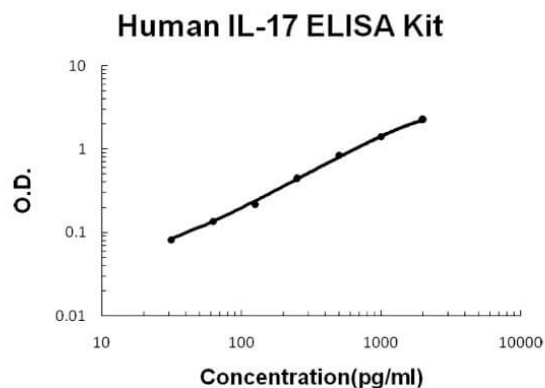
Shipping & Handling

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

ELISA

Human IL-17 AccuSignal ELISA Kit standard curve. Assay
Range: 31.2pg/ml-2000pg/ml. Sensitivity: <1pg/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.