

Datasheet for ABIN6720171 IL-17 ELISA Kit



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1 Image

Overview

Quantity:	1 kit
Target:	IL-17 (IL17)
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: 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</p> <p>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</p>

Product Details

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.

Gene Name: IL17A

Production: Natural and recombinant human IL-17. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: I20-A155

Target Details

Target: IL-17 (IL17)

Alternative Name: IL-17 ([IL17 Products](#))

Gene ID: 3605

NCBI Accession: [NP_002181](#)

UniProt: [Q16552](#)

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 human IL-17 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-17 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

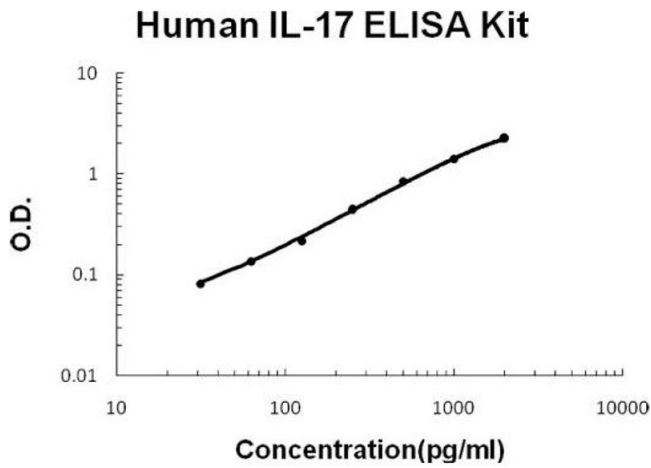
Restrictions: For Research Use only

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