Datasheet for ABIN4986934

IL-17 ELISA Kit

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Overview

Quantity:	96 tests
Target:	IL-17 (IL17)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	15.625-1000 pg/mL
Minimum Detection Limit:	15.625 pg/mL
Application:	ELISA

Product Details

Sample Type:	Cell Culture Supernatant, Serum, Plasma (heparin), Plasma (citrate), Plasma (EDTA)
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Natural and recombinant Human IL-17 Ligand
Sensitivity:	7 pg/mL
Material not included:	• Microplate reader. • Pipettes and pipette tips. • EP tube Deionized or distilled water.

Target Details

Target:	IL-17 (IL17)

Target Details

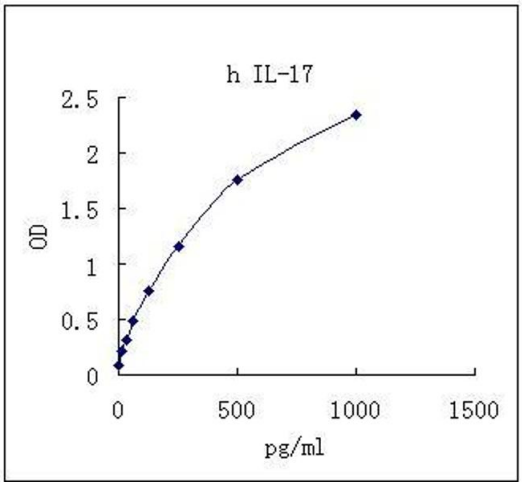
Alternative Name:	IL-17 (IL17 Products)
Background:	IL-17, originally identified as mouse cytotoxic T lymphocyte-associated antigen-8 (CTLA-8) (1), is produced by activated T lymphocytes, primarily by memory T cells (1-4). IL-17 appears to mediate communication between the immune system and the hematopoietic system.IL-17 is a disulfide-linked homodimer (2, 4). Each polypeptide has 155 amino acid (aa) residues (predicted mass = 17.5 kDa), including a 19 aa residue hydrophobic leader sequence (2). There are six cysteines plus one potential N-linked glycosylation site, which is variably glycosylated, at least with recombinant proteins (2, 4). The aa sequence of human IL-17 is 63 % and 58 % identical to mouse and rat IL-17 and 72 % identical to the thirteenth ORF of Herpesvirus saimiri (2, 4). There is at least some species specificity for in vitro action on bone-marrow stromal cells (3).IL-17 mediation of T cell communication with the hematopoietic system is suggested by two observations. T cell-derived IL-17 induces fibroblasts to produce IL-6, IL-8, ICAM-1 and G-CSF, apparently by an NF-?B-mediated mechanism (5). IL-6 in turn promotes development of granulocyte/macrophage colonies, and G-CSF directs development of neutrophils (4, 6-9). IL-17 also enhances proliferation of partially activated T cells (5) and upregulates nitric oxide (NO) production in osteoarthritic cartilage (10).

Application Details

Application Notes:	Detection Wavelength: 450 nm
Sample Volume:	20 µL
Assay Time:	3 h
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C



ELISA

Image 1.