

Datasheet for ABIN6720068

**IL-17 ELISA Kit****1** Image[Go to Product page](#)

## Overview

Quantity:	1 kit
Target:	IL-17 (IL17)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

## Product Details

Purpose:	Mouse IL-17 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant mouse IL-17. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 1 pg/mL
Components:	<ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul>

## Product Details

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- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

## Target Details

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Target: IL-17 (IL17)

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

Background: 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

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 mouse IL-17, consisting of 137 amino acids with the molecular mass of 15.5KDa.

Gene ID: 16171

NCBI Accession: [NP\\_034682](#)

UniProt: [Q544E6](#)

## Application Details

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Application Notes: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL mouse 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended

## Application Details

that each mouse IL-17 standard solution and each sample be measured in duplicate.

Comment: Standard: Expression system for standard: E.coli, Immunogen sequence: T22-A158

Sample Volume: 100  $\mu$ L

Plate: Pre-coated

Restrictions: For Research Use only

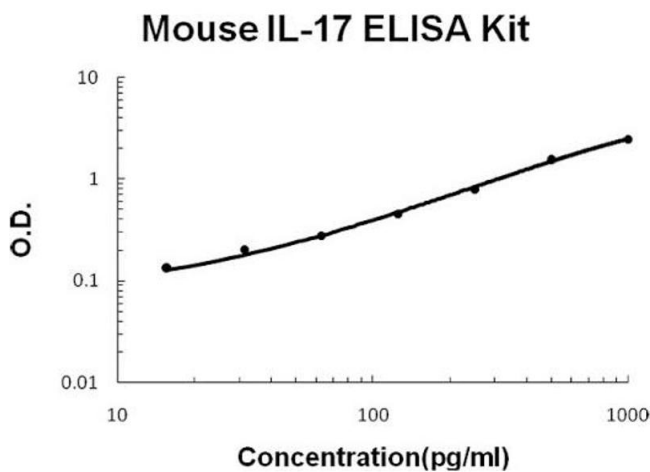
## Handling

Storage: 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.

Expiry Date: 12 months

## Images



### ELISA

**Image 1.** Mouse IL-17 Accusignal ELISA Kit Mouse IL-17 Accusignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.