

ARG83358 Human IL17 / IL17A ELISA kit

Package: 96 wells
Store at: 4°C, -20°C

Component

Cat. No.	Component Name	Package	Temp
ARG83358-01	Antibody Coated Microplate	8 X 12 strips	4°C
ARG83358-02	Standards Mixture	3 vials	4°C
ARG83358-03	100X Antibody Conjugate Mixture	120 µl	≤ -20°C
ARG83358-04	100X HRP-Streptavidin solution	120 µl	4°C
ARG83358-05	Standard/Sample Diluent Buffer	20 ml	4°C
ARG83358-06	20X Wash Buffer	45 ml	4°C
ARG83358-07	TMB substrate	12 ml	4°C (protect from light)
ARG83358-08	STOP solution	12 ml	4°C
ARG83358-09	Plate sealer	3 adhesive strips	Room temperature
ARG83358-10	Antibody Diluent Buffer	30 ml	4°C

Summary

Product Description	ARG83358 Human IL17 / IL17A ELISA kit is an Enzyme Immunoassay kit for the quantification of Human IL17 in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human IFN- gamma, IL-17B, IL-10, IL-17C, IL-12, IL-17D, IL-16, IL-17F; mouse IL-17
Target Name	IL17 / IL17A
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	3.9 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	7.8 - 500 pg/ml
Sample Volume	50 µl
Precision	CV: less than 10%
Alternate Names	IL-17A; Interleukin-17A; IL-17; CTLA8; IL17; CTLA-8; Cytotoxic T-lymphocyte-associated antigen 8

Application Instructions

Assay Time 4 hours

Properties

Form 96 well

Storage instruction Store the kit at 4°C, -20°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol IL17a

Gene Full Name interleukin 17A

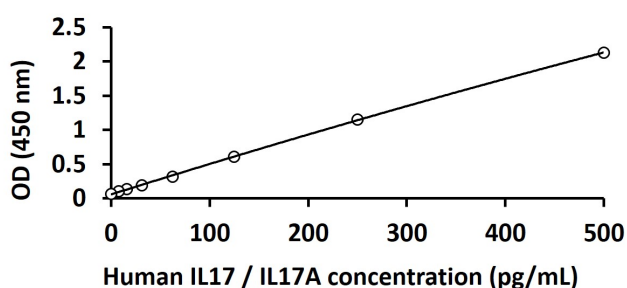
Background The originally described IL-17 protein, now known as IL-17A, is a disulfide linked homodimer, secreted by activated T-cells that act on stromal cells to induce production of proinflammatory and hematopoietic bioactive molecules. Today, IL-17 represents a family of structurally-related cytokines that share a highly conserved C-terminal region but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers. IL-17A exhibits cross-species bioactivity between human and murine cells. Recombinant murine IL-17A is a 30.0 kDa disulfide-linked homodimer of two 133 amino acid polypeptide chains.

Highlight Related products:
[IL17 antibodies](#); [IL17 ELISA Kits](#); [IL17 recombinant proteins](#);
Related news:
[HMGB1, a biomarker and therapeutic target in COVID-19](#)
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Research Area Immune System kit

PTM Found both in glycosylated and nonglycosylated forms.

Images



ARG83358 Human IL17 / IL17A ELISA kit standard curve image

ARG83358 Human IL17 / IL17A ELISA kit results of a typical standard run with optical density reading at 450 nm.