

ARG80247 Rat IL17 / IL17A ELISA kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80247-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80247-002	Standard (Lyophilized)	3 X 1 ng/vial	4°C
ARG80247-003	Standard diluent buffer	20 ml	4°C
ARG80247-004	Antibody conjugate concentrate	400 µl	4°C
ARG80247-005	Antibody diluent buffer	16 ml	4°C
ARG80247-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80247-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80247-008	20X Wash buffer	50 ml	4°C
ARG80247-009	TMB substrate	12ml	4°C (Protect from light)
ARG80247-010	STOP solution	12ml	4°C
ARG80247-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80247 Rat IL17 / IL17A ELISA kit is an Enzyme Immunoassay kit for the quantification of Rat IL17 / IL17A in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Rat IL-1,2,3,4,5,6,7,8,9,10,11,12,13,17B, 17C, 17E, 17F, IFN- gamma, TNF, TGF, MCP-1, AR, CNTF, EGF, Epo, VEGF
Target Name	IL17 / IL17A
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	8 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	15.6 - 1000 pg/ml

Sample Volume	100 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

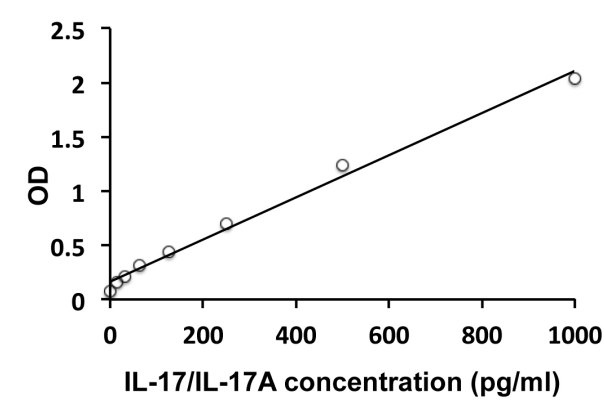
Assay Time	4 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°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	<p>Related products:</p> <p>IL17 antibodies; IL17 ELISA Kits; IL17 recombinant proteins;</p> <p>Related news:</p> <p>HMGB1, a biomarker and therapeutic target in COVID-19</p> <p>New ELISA data calculation tool:</p> <p>Simplify the ELISA analysis by GainData</p>
Research Area	Immune System kit
PTM	Found both in glycosylated and nonglycosylated forms.



ARG80247 Rat IL17 / IL17A ELISA kit standard curve image

ARG80247 Rat IL17 / IL17A ELISA kit results of a typical standard run with optical density reading at 450 nm.