

ARG81743 Mouse IL17C ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81743-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81743-002	Standard	2 X 10 ng/vial	4°C
ARG81743-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81743-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81743-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81743-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81743-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81743-008	25X Wash buffer	20 ml	4°C
ARG81743-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81743-010	STOP solution	10 ml (Ready to use)	4°C
ARG81743-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81743 Mouse IL17C ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IL17C in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IL17C
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	62.5 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	125 - 8000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.9%; Inter-Assay CV: 8.2%
Alternate Names	IL-17C; CX2; Interleukin-17C; Cytokine CX2

Application Instructions

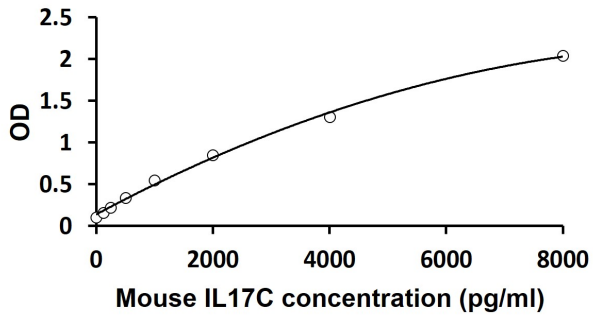
Assay Time	~ 5 hours
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Properties

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	IL17C
Gene Full Name	interleukin 17C
Background	The protein encoded by this gene is a T cell-derived cytokine that shares the sequence similarity with IL17. This cytokine was reported to stimulate the release of tumor necrosis factor alpha and interleukin 1 beta from a monocytic cell line. The expression of this cytokine was found to be restricted to activated T cells. [provided by RefSeq, Jul 2008]
Function	Cytokine that plays a crucial role in innate immunity of the epithelium, including to intestinal bacterial pathogens, in an autocrine manner. Stimulates the production of antibacterial peptides and proinflammatory molecules for host defense by signaling through the NF-kappa-B and MAPK pathways. Acts synergically with IL22 in inducing the expression of antibacterial peptides, including S100A8, S100A9, REG3A and REG3G. Synergy is also observed with TNF and IL1B in inducing DEFB2 from keratinocytes. Depending on the type of insult, may have both protective and pathogenic properties, either by maintaining epithelial homeostasis after an inflammatory challenge or by promoting inflammatory phenotype. Enhanced IL17C/IL17RE signaling may also lead to greater susceptibility to autoimmune diseases. [UniProt]
Highlight	Related products: IL17 antibodies ; IL17 ELISA Kits ; IL17 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81743 Mouse IL17C ELISA Kit standard curve image

ARG81743 Mouse IL17C ELISA Kit results of a typical standard run with optical density reading at 450 nm.