

ARG81279 Mouse IL7 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG81279 Mouse IL7 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IL7 in serum, plasma or cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IL7
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	1 pg/ml
Sample Type	Serum, plasma or cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Alternate Names	IL-7; Interleukin-7

Application Instructions

Assay Time	~ 3.5 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

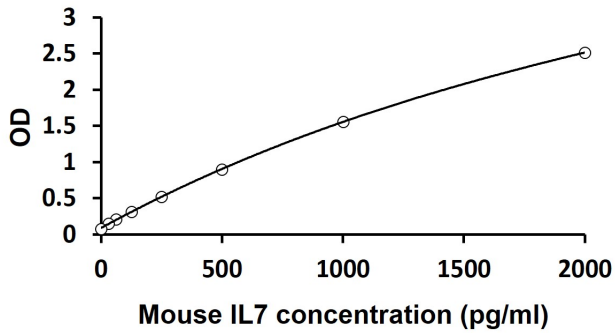
Gene Symbol	IL7
Gene Full Name	interleukin 7
Background	The protein encoded by this gene is a cytokine important for B and T cell development. This cytokine and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B cell growth-stimulating factor. This cytokine is found to be a cofactor for V(D)J rearrangement of the T cell receptor beta (TCRB) during early T cell development. This cytokine can be produced locally by intestinal epithelial and epithelial goblet cells, and may serve as a regulatory factor for intestinal mucosal lymphocytes. Knockout studies in mice suggested that this cytokine plays an essential role in lymphoid cell survival. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional splice variants have been described but their presence in normal tissues has not been

confirmed.[provided by RefSeq, Dec 2010]

Function Hematopoietic growth factor capable of stimulating the proliferation of lymphoid progenitors. It is important for proliferation during certain stages of B-cell maturation. [UniProt]

Highlight Related products:
[IL7 antibodies](#); [IL7 ELISA Kits](#); [IL7 recombinant proteins](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Images



ARG81279 Mouse IL7 ELISA Kit standard curve image

ARG81279 Mouse IL7 ELISA Kit results of a typical standard run with optical density reading at 450 nm.