

ARG80103 Human IL2 (High sensitive) ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80103-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80103-002	Standard (Lyophilized)	3 X 1 ng/vial	4°C
ARG80103-003	Standard diluent buffer	20 ml	4°C
ARG80103-004	Antibody conjugate concentrate	400 µl	4°C
ARG80103-005	Antibody diluent buffer	16 ml	4°C
ARG80103-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80103-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80103-008	20X Wash buffer	50 ml	4°C
ARG80103-009	TMB substrate	12ml	4°C (Protect from light)
ARG80103-010	STOP solution	12ml	4°C
ARG80103-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80103 Human IL2 (High sensitive) ELISA Kit is a high sensitive Enzyme Immunoassay kit for the quantification of Human IL2 in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human IL-2 R alpha, IL-2 R beta, IL-2 R gamma@mouse IL-2
Target Name	IL2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	1 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	1.95 - 125 pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	TCGF; IL-2; lymphokine; Interleukin-2; Aldesleukin; T-cell growth factor

Application Instructions

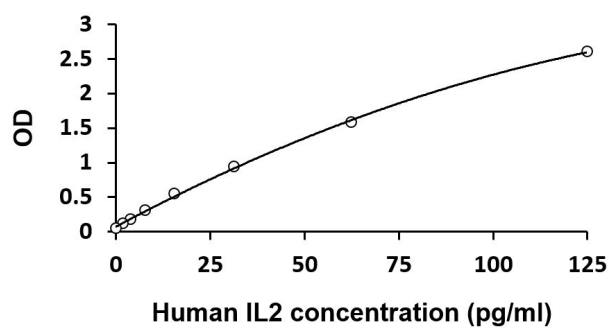
Assay Time	4 hours
------------	---------

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	IL2
Gene Full Name	interleukin 2
Background	The protein encoded by this gene is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli. [provided by RefSeq, Jul 2008]
Function	Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells. [UniProt]
Highlight	Related products: IL2 antibodies ; IL2 ELISA Kits ; IL2 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Immune System kit



ARG80103 Human IL2 (High sensitive) ELISA Kit standard curve image

ARG80103 Human IL2 (High sensitive) ELISA Kit results of a typical standard run with optical density reading at 450 nm.