

ARG80112 Human IL10 (High sensitive) ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80112-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80112-002	Standard (Lyophilized)	3 X 0.2 ng/vial	4°C
ARG80112-003	Standard diluent buffer	20 ml	4°C
ARG80112-004	Antibody conjugate concentrate	400 µl	4°C
ARG80112-005	Antibody diluent buffer	16 ml	4°C
ARG80112-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80112-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80112-008	20X Wash buffer	50 ml	4°C
ARG80112-009	TMB substrate	12ml	4°C (Protect from light)
ARG80112-010	STOP solution	12ml	4°C
ARG80112-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80112 Human IL10 (High sensitive) ELISA Kit is a high sensitive Enzyme Immunoassay kit for the quantification of Human IL10 in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human IL-10 R alpha, IL-10 R beta/Fc Chimera, IL-22, IL-24
Target Name	IL10
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.2 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	0.31 - 20 pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	IL10A; GVHDS; TGIF; IL-10; Cytokine synthesis inhibitory factor; CSIF; Interleukin-10

Application Instructions

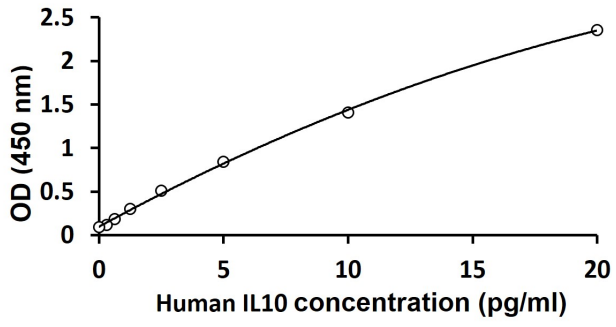
Assay Time	4 hours
------------	---------

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	IL10
Gene Full Name	interleukin 10
Background	The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.[provided by RefSeq, May 2011]
Function	Inhibits the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells. [UniProt]
Highlight	Related products: IL10 antibodies ; IL10 ELISA Kits ; IL10 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Cancer kit; Immune System kit



ARG80112 Human IL10 (High sensitive) ELISA Kit standard curve image

ARG80112 Human IL10 (High sensitive) ELISA Kit results of a typical standard run with optical density reading at 450 nm.