

ARG80115 Human IL12 p70 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80115-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80115-002	Standard (Lyophilized)	3 X 4 ng/vial	4°C
ARG80115-003	Standard diluent buffer	20 ml	4°C
ARG80115-004	Antibody conjugate concentrate	400 µl	4°C
ARG80115-005	Antibody diluent buffer	16 ml	4°C
ARG80115-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80115-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80115-008	20X Wash buffer	50 ml	4°C
ARG80115-009	TMB substrate	12ml	4°C (Protect from light)
ARG80115-010	STOP solution	12ml	4°C
ARG80115-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80115 Human IL12 p70 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IL12 p70 in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human IL-12 p35, IL-12/IL-23 p40, IL-23 mouse IL-12 p70
Target Name	IL12 p70
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	IL12A; Interleukin 12A; IL-12A; NKSF1; CLMF; NFSK; P35; Interleukin 12A (Natural Killer Cell Stimulatory Factor 1, Cytotoxic Lymphocyte Maturation Factor 1, P35); Cytotoxic Lymphocyte Maturation Factor 35 KDa Subunit; Cytotoxic Lymphocyte Maturation Factor 1, P35; NF Cell Stimulatory Factor Chain 1; NK Cell Stimulatory Factor Chain 1; Interleukin-12 Subunit Alpha; Interleukin-12 Alpha Chain; Interleukin 12, P35; IL-12, Subunit P35; IL35 Subunit; CLMF P35; Natural Killer Cell Stimulatory Factor 1, 35 KD Subunit; IL-12 Subunit P35

Application Instructions

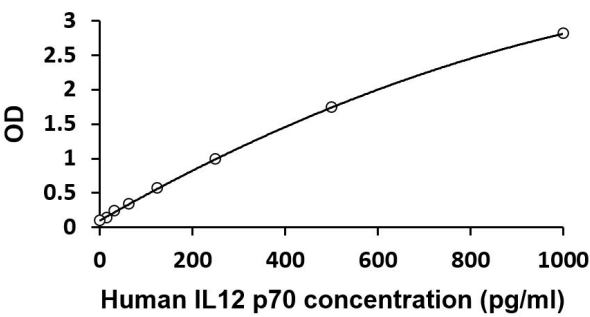
Assay Time	4 hours
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Properties

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	IL12A
Gene Full Name	interleukin 12A
Background	This gene encodes a subunit of a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The cytokine is a disulfide-linked heterodimer composed of the 35-kD subunit encoded by this gene, and a 40-kD subunit that is a member of the cytokine receptor family. This cytokine is required for the T-cell-independent induction of interferon (IFN)-gamma, and is important for the differentiation of both Th1 and Th2 cells. The responses of lymphocytes to this cytokine are mediated by the activator of transcription protein STAT4. Nitric oxide synthase 2A (NOS2A/NOS2) is found to be required for the signaling process of this cytokine in innate immunity. [provided by RefSeq, Jul 2008]
Function	Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated Killer cells, and stimulate the production of IFN-gamma by resting PBMC. [UniProt]
Highlight	Related products: IL12 p70 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Immune System kit



ARG80115 Human IL12 p70 ELISA Kit standard curve image

ARG80115 Human IL12 p70 ELISA Kit results of a typical standard run with optical density reading at 450 nm.