

ARG81993 Rat IL12 p70 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81993-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81993-002	Standard	2 X 10 ng/vial	4°C
ARG81993-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81993-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81993-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81993-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81993-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81993-008	25X Wash buffer	20 ml	4°C
ARG81993-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81993-010	STOP solution	10 ml (Ready to use)	4°C
ARG81993-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81993 Rat IL12 p70 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat IL12 p70 in serum and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IL12 p70
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.0%; Inter-Assay CV: 7.1%
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

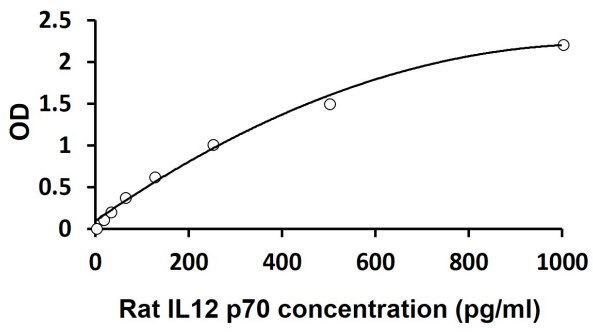
Assay Time	~ 5 hours
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Properties

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	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



ARG81993 Rat IL12 p70 ELISA Kit standard curve image

ARG81993 Rat IL12 p70 ELISA Kit results of a typical standard run with optical density reading at 450 nm.