

ARG83625 Human IL12 p70 ELISA Kit

Package: 96 wells
Store at: 4°C, -20°C

Summary

Product Description	ARG83625 Human IL12 p70 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IL12 p70 in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	IL12 p70
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8125 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	15.625 - 1000 pg/ml
Sample Volume	50 µl
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

Properties

Form	96 well
Storage instruction	Store the kit at 4°C, -20°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.

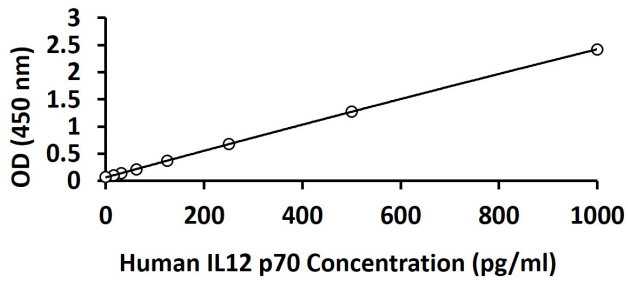
Bioinformation

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	Signaling requires the transcription factors STAT1 and STAT4, which form a unique heterodimer that binds to distinct DNA sites. [UniProt]
PTM	Disulfide bond, Glycoprotein. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG83625 Human IL12 P70 ELISA Kit standard curve image

ARG83625 Human IL12 P70 ELISA Kit results of a typical standard run with optical density reading at 450 nm.