

Human Interleukin-12 ELISA Kit | IL12A elisa kit

Human Interleukin-12 subunit alpha (IL12A) ELISA Kit

CATALOG # AAA55913	REACTIVITY Human
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PRODUCT SYNONYMS

Interleukin-12; Human Interleukin-12 subunit alpha (IL12A) ELISA Kit; CLMF; IL-12A; NFSK; NKSF1; P35; IL-12; subunit p35|NF cell stimulatory factor chain 1|cytotoxic lymphocyte maturation factor 1; p35|interleukin 12; p35|interleukin 12A|interleukin-12 alpha chain|nat; IL12A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human IL12A. No significant cross-reactivity or interference between Human IL12A and analogues was observed.
Sequence Length	253
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	7.8 pg/mL - 500 pg/mL
Sensitivity	5.2 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for IL12A elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate IL12A in Human serum, plasma. An antibody specific for IL12A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL12A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL12A is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IL12A bound in the initial step. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Human Interleukin-12 subunit alpha (IL12A) concentration in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24430219
NCBI GeneID	3592
NCBI Accession #	NP_000873.2
NCBI GenBank Nucleotide #	NM_000882.3

UniProt Accession #	P29459; Q96QZ1
Molecular Weight	24,874 Da
NCBI Official Full Name	interleukin-12 subunit alpha isoform 1
NCBI Official Synonym Full Names	interleukin 12A
NCBI Official Symbol	IL12A
NCBI Official Synonym Symbols	P35; CLMF; NFSK; NKSF1; IL-12A
NCBI Protein Information	interleukin-12 subunit alpha
UniProt Protein Name	Interleukin-12 subunit alpha
UniProt Gene Name	IL12A
UniProt Synonym Gene Names	NKSF1; IL-12A; CLMF p35; NKSF1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/il12a-human-elisa-kits/interleukin-12/55913>