

Human IL-12(p70) ELISA Kit | IL12A elisa kit

Human IL-12(p70) PicoKine ELISA Kit

CATALOG #
AAA45270

REACTIVITY
Human

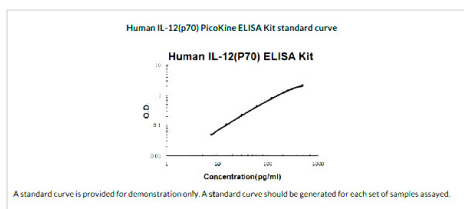
PRODUCT SYNONYMS

IL-12(p70); Human IL-12(p70) PicoKine ELISA Kit; Interleukin-12 subunit alpha; interleukin 12A; CLMF; CLMF p35; Cytotoxic lymphocyte maturation factor 1; Cytotoxic lymphocyte maturation factor 1 p35; Cytotoxic lymphocyte maturation factor 35 kDa subunit; IL-12 subunit p35; IL-12A; IL12A; IL12A_HUMAN; IL35 subunit; Interleukin 12 alpha chain; Interleukin 12 p35; Interleukin 12 p70; Natural killer cell stimulatory factor 1; Natural killer cell stimulatory factor 1 35 kD subunit; NF cell stimulatory factor chain 1; NFSK; NK cell stimulatory factor chain 1; NKSF1; P35; IL12A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human IL-12 (p70)
Sequence Length	253
Samples	Cell culture supernatants and serum
Detection Range	7.8 pg/ml - 500 pg/ml
Sensitivity	<2 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL12A elisa kit	Principle of the Assay: The Picokine™ Human IL-12 (p70) Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human IL-12 (p70) with a 96-well strip plate that is pre-coated with antibody specific for IL-12 (p70). The detection antibody is a biotinylated antibody specific for IL-12 (p70). The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human IL-12 (p70) with immunogen: Expression system for standard: NS0; Immunogen sequence: (I23-S328) + (R23-S219). The kit is analytically validated with ready-to-use reagents. To measure Human IL-12 (p70), add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human IL-12 (p70) in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human IL-12 (p70) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74705752
NCBI GeneID	3592
UniProt Accession #	O60595; P29459
Molecular Weight	28,293 Da
NCBI Official Full Name	Interleukin 12 (Interleukin 12A) (Natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35) (Interleukin 12, P35)
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; CLMF p35; IL35 subunit; IL-12, subunit p35; interleukin 12, p35; interleukin-12 alpha chain; NF cell stimulatory factor chain 1; NK cell stimulatory factor chain 1; cytotoxic lymphocyte maturation factor 1, p35; cytotoxic lymphocyte maturation factor 35 kDa subunit; interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)
UniProt Protein Name	Interleukin 12
UniProt Gene Name	IL12A
UniProt Entry Name	O60595_HUMAN

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://stage.aaabiotech.com/il12a-human-elisa-kits/il-12-p70/45270>