

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

Mouse IL-12(p70) PicoKine ELISA Kit

CATALOG #
AAA45242

REACTIVITY
Mouse

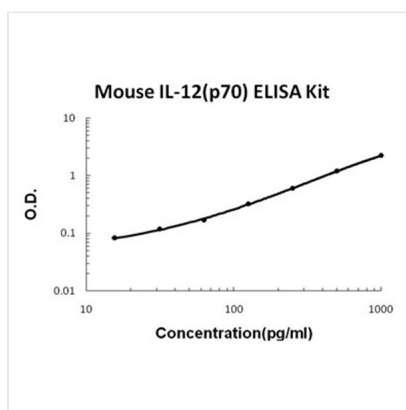
PRODUCT SYNONYMS

IL-12(p70); Mouse 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	Mouse
Specificity	Natural and recombinant mouse IL-12(P70)
Sequence Length	236
Samples	Cell culture supernates and serum
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 1.5pg/ml
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)

Mouse IL-12(p70) PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL12A elisa kit	Principle of the assay: mouse IL-12(P70) ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for IL-12(P70) has been precoated onto 96-well plates. Standards (sf21,(M23-S335)+(R23-A215)) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-12(P70) is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse IL-12(P70) amount of sample captured in plate. Background: Interleukin (IL)-12 is a 70-KDa cytokine comprised of two disulfide-linked proteins (p35 and p40) and is essential for the initiation of effective immune response. And the IL-12p70 is a heterodimer of p35 and p40 subunits; it is an important cytokine secreted by antigen-presenting cells in response to antigenic stimulation. Gene expression analysis of the IL-12 cytokine family subunits revealed that both strains induced high levels of p40 (protein chain communal to IL-12 p70 and IL-23) as well as p19, a subunit of IL-23. Conversely only ACT- 18HS19 infection induced consistent transcription of IL-12 p35, a subunit of IL-12 p70. The standard product used in this kit is recombinant mouse IL-12 p70 comprising of a 193 amino acids p35 chain and a 313 amino acids p40 chain connected by a disulfide bond.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	16159
UniProt Accession #	F8WI71; P43431
Molecular Weight	26,204 Da
NCBI Official Synonym Full Names	interleukin 12a
NCBI Official Symbol	IL12a
NCBI Official Synonym Symbols	p35; LI12a; IL-12a; IL-12p35
NCBI Protein Information	interleukin-12 subunit alpha; CLMF p35; IL-12 subunit p35; interleukin 12a p35 subunit; cytotoxic lymphocyte maturation factor 35 kDa subunit
UniProt Protein Name	Interleukin-12 subunit alpha
UniProt Gene Name	IL12a
UniProt Entry Name	F8WI71_MOUSE

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.