

Human Interleukin 12 p40 ELISA Kit | IL-12(p40) elisa kit

Human Interleukin 12 p40 ELISA Kit

CATALOG #
AAA98073

REACTIVITY
Human

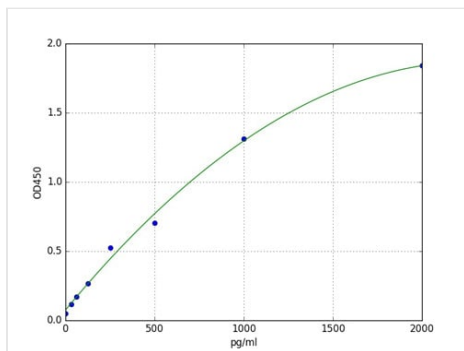
PRODUCT SYNONYMS

Interleukin 12 p40; Human Interleukin 12 p40 ELISA Kit; IL-12 (p40)/IL12B/IL-12B/CLMF2/NKSF2; IL-12(p40) elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	18
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Results of a typical standard run of a human IL-12 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	31.2	62.5	125	250	500	1000	2000
Y	OD450	0.039	0.115	0.197	0.370	0.738	1.199	1.952	2.469

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-12(p40) elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-human IL-12 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-human IL-12 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 human IL-12 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of human IL-12 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

21654911

NCBI GeneID	3593
Molecular Weight	37,169 Da
NCBI Official Full Name	interleukin 12 p40, partial
NCBI Official Synonym Full Names	interleukin 12B
NCBI Official Symbol	IL12B
NCBI Official Synonym Symbols	CLMF; NKSF; CLMF2; IMD28; IMD29; NKSF2; IL-12B
NCBI Protein Information	interleukin-12 subunit beta
UniProt Protein Name	Interleukin-12 subunit beta
UniProt Gene Name	IL12B
UniProt Synonym Gene Names	NKSF2; IL-12B; CLMF p40; NKSF2
UniProt Entry Name	IL12B_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://www.aaabiotech.com/il-12p40-human-elisa-kits/interleukin-12-p40/98073>