

Rat Interleukin 12 ELISA Kit | IL-12 elisa kit

Rat Interleukin 12 ELISA Kit

CATALOG #
AAA101856

REACTIVITY
Rat

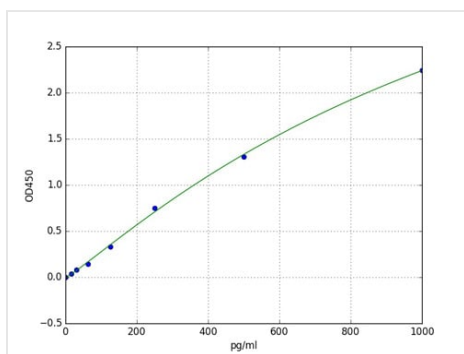
PRODUCT SYNONYMS

Interleukin 12; Rat Interleukin 12 ELISA Kit; IL-12/NKSF/CLMF/Interleukin 12/Natural Killer Cell Stimulatory Factor/Cytotoxic Lymphocyte Maturation Factor; IL-12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	253
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/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



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat 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	15.6	31.2	62.5	125	250	500	1000
Y	OD450	0.026	0.087	0.143	0.262	0.482	0.914	1.660	2.507

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-12 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Rat IL-12 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat 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 Rat IL-12 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat IL-12 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4323579
NCBI GeneID	3592
Molecular Weight	24,874 Da
NCBI Official Full Name	interleukin 12
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
UniProt Entry Name	IL12A_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/il-12-rat-elisa-kits/interleukin-12/101856>