

Mouse IL-12 P70 ELISA Kit | IL-12 P70 elisa kit

IL-12 P70 Mouse ELISA Kit

CATALOG # AAA13487	REACTIVITY Mouse	APPLICATIONS ELISA
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PRODUCT SYNONYMS

IL-12 P70; IL-12 P70 Mouse ELISA Kit; Mouse IL-12 P70; IL-12 P70 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Samples	Mouse serum, plasma, body fluids, tissue lysates or cell culture supernatants
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	< 1.5 pg/ml
Applicable Applications for IL-12 P70 elisa kit	ELISA
Application Notes	For quantitative detection of IL-12(P70) in mouse serum, plasma, body fluids, tissue lysates or cell culture supernatants.
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES

Typical Data & Standard Curve										
Results of a typical standard run of a Mouse IL-12(P70) 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	0.047	0.091	0.127	0.202	0.369	0.672	1.235	2.269	

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-12 P70 elisa kit

Background: Interleukin 12 (IL-12) is an interleukin that is naturally produced by dendritic cells, macrophages and human B-lymphoblastoid cells (NC-37) in response to antigenic stimulation. IL-12 is composed of a bundle of four alpha helices. It is a heterodimeric cytokine encoded by two separate genes, IL-12A (p35) and IL-12B (p40). IL-12 plays an important role in the activities of natural killer cells and T lymphocytes. It mediates enhancement of the cytotoxic activity of NK cells and CD8+ cytotoxic T lymphocytes. IL-12 also has anti-angiogenic activity, which means it can block the formation of new blood vessels.

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-IL-12(P70) polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-IL-12(P70) polyclonal 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. Avidin-Biotin-Peroxidase Complex 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 IL-12(P70) amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IL-12(P70) can be calculated.

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/mouse-elisa-kits/il-12-p70/13487>