

Human IL-2 ELISA Kit | IL-2 elisa kit

IL-2 Human ELISA Kit

CATALOG # AAA58960	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

IL-2; IL-2 Human ELISA Kit; Human IL-2; IL-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Human serum, plasma, body fluids, tissue lysate or cell culture supernate
Assay Type	Quantitative Sandwich
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	< 1 pg/ml
Applicable Applications for IL-2 elisa kit	ELISA
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 Human IL-2 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	0.037	0.071	0.110	0.178	0.331	0.602	1.145	2.283

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-IL-2 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-IL-2 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-2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IL-2 can be calculated.

Background/Introduction: Interleukin-2 (IL2), formerly referred to as T-cell growth factor, is a powerfully immunoregulatory lymphokine that is produced by lectin- or antigen-activated T cells. It is produced not only by mature T lymphocytes on stimulation but also constitutively by certain T-cell lymphoma cell lines. IL-2 expression in mature thymocytes and T cells has been found to be tightly controlled by monoallelic expression. It can act as a growth hormone for both B and T lymphocytes. IL-2 has a well documented role in induction of pruritus, furthermore, it has been found to be higher in pruritic lesions of psoriasis compared to non-pruritic ones.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4029234
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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/human-elisa-kits/il-2/58960>