

Rat Interleukin-7 ELISA Kit | IL-7 elisa kit

Rat Interleukin-7 ELISA Kit

CATALOG #
AAA97745

REACTIVITY
Rat

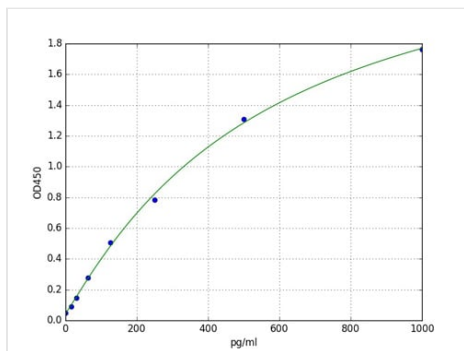
PRODUCT SYNONYMS

Interleukin-7; Rat Interleukin-7 ELISA Kit; IL-7/Lymphopoietin-1/PBGF/IL-7interleukin-7/interleukin 7; IL-7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	177
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



Typical Data & Standard Curve

Results of a typical standard run of a Rat IL-7 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	0.036	0.183	0.278	0.444	0.878	1.162	1.594	2.187

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-7 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat IL-7 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat IL-7 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-7 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat IL-7 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

4504677

NCBI GeneID	3574
NCBI Accession #	NP_000871.1
NCBI GenBank Nucleotide #	NM_000880.3
Molecular Weight	7,687 Da
NCBI Official Full Name	interleukin-7 isoform 1
NCBI Official Synonym Full Names	interleukin 7
NCBI Official Symbol	IL7
NCBI Official Synonym Symbols	IL-7
NCBI Protein Information	interleukin-7
UniProt Protein Name	Interleukin-7
UniProt Gene Name	IL7
UniProt Synonym Gene Names	IL-7
UniProt Entry Name	IL7_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-7-rat-elisa-kits/interleukin-7/97745>