

Mouse IL-2 ELISA Kit | IL2 elisa kit

Mouse IL-2 PicoKine ELISA Kit

CATALOG #
AAA45250

REACTIVITY
Mouse

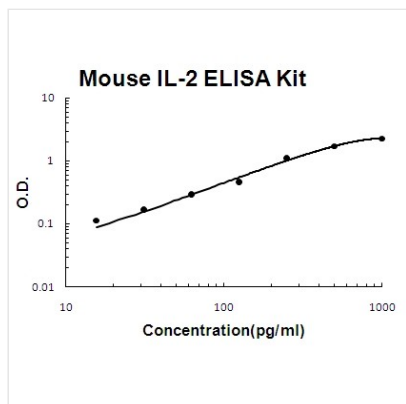
PRODUCT SYNONYMS

IL-2; Mouse IL-2 PicoKine ELISA Kit; Interleukin-2; interleukin 2; Aldesleukin; IL 2; IL2; IL2_HUMAN; Interleukin 2; Interleukin2; Involved in regulation of T cell clonal expansion; Lymphokine; T cell growth factor; T-cell growth factor; TCGF; IL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse IL-2
Sequence Length	169
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 1pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse IL-2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL2 elisa kit	Principle of the assay: mouse IL-2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for IL-2 has been precoated onto 96-well plates. Standards and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 mouse IL-2 amount of sample captured in plate. Background: 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. The lymphokine interleukin-2 (IL-2) is responsible for autocrine cell cycle progression and regulation of immune responses. IL-2 expression in mature thymocytes and T cells has been found to be tightly controlled by monoallelic expression.¹ IL-2 can act as a growth hormone for both B and T lymphocytes.² The human gene for interleukin 2 (IL2) is assigned to chromosome 4.³ Mouse IL-2 contains 149 amino acids in mature form with the molecular mass of 17.2KDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124326
NCBI GeneID	16183
UniProt Accession #	P04351; P97945; Q791T3
Molecular Weight	19,400 Da
NCBI Official Full Name	Interleukin-2
NCBI Official Synonym Full Names	interleukin 2
NCBI Official Symbol	IL2
NCBI Official Synonym Symbols	IL-2
NCBI Protein Information	interleukin-2; TCGF; T-cell growth factor
UniProt Protein Name	Interleukin-2
UniProt Gene Name	IL2
UniProt Synonym Gene Names	IL-2; IL-2; TCGF
UniProt Entry Name	IL2_MOUSE

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.