

Mouse IL7R/CD127 ELISA Kit | IL7R elisa kit

Mouse IL7R/CD127 PicoKine ELISA Kit

CATALOG #
AAA45913

REACTIVITY
Mouse

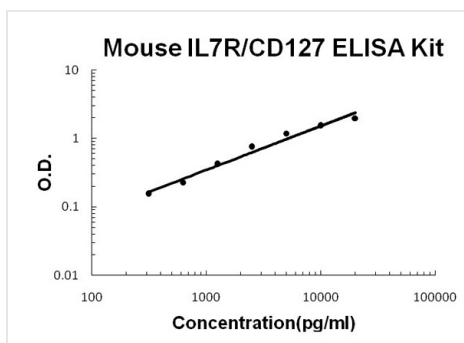
PRODUCT SYNONYMS

IL7R/CD127; Mouse IL7R/CD127 PicoKine ELISA Kit; Interleukin-7 receptor subunit alpha; interleukin 7 receptor; CD 127; CD127; CD127 antigen; CDw127; IL 7R alpha; IL 7R; IL-7 receptor subunit alpha; IL-7R subunit alpha; IL-7R-alpha; IL-7RA; IL7R; IL7RA; IL7RA_HUMAN; IL7Ralpha; ILRA; Interleukin 7 receptor alpha chain; Interleukin 7 receptor; Interleukin 7 receptor isoform H5 6; IL7R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse IL7R
Sequence Length	459
Samples	Cell culture supernates and serum
Assay Type	Sandwich
Detection Range	312pg/ml-20,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
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 IL7R/CD127 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL7R elisa kit	Principle of the assay: mouse IL7R ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for IL7R has been precoated onto 96-well plates. Standards(NSO, E21-D239) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL7R 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 IL7R amount of sample captured in plate. Background: The interleukin-7 receptor(IL7R) is a protein found on the surface of cells. It is mapped to 5p13.2. The protein encoded by this gene is a receptor for interleukine 7(IL7). The function of this receptor requires the interleukin 2 receptor, gamma chain(IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukine 2, 4, 7, 9, and 15. IL7R has been shown to play a critical role in the development of immune cells called lymphocytes-specifically in a process known as V(D)J recombination. This protein is also found to control the accessibility of a region of the genome that contains the T-cell receptor gamma gene, by STAT5 and histone acetylation. What's more, IL7R antagonism is efficacious in treatment of EAE through its effects on Th17 cells and is a potential treatment for MS.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	341940827
NCBI GeneID	16197
UniProt Accession #	P16872; Q9R0C1
Molecular Weight	51,605 Da
NCBI Official Full Name	Interleukin-7 receptor subunit alpha
NCBI Official Synonym Full Names	interleukin 7 receptor
NCBI Official Symbol	IL7r
NCBI Official Synonym Symbols	CD127; IL-7Ralpha
NCBI Protein Information	interleukin-7 receptor subunit alpha; IL-7RA; IL-7R-alpha; IL-7R subunit alpha; IL-7 receptor alpha chain; IL-7 receptor subunit alpha; interleukin 7 receptor alpha chain
UniProt Protein Name	Interleukin-7 receptor subunit alpha
UniProt Gene Name	IL7r
UniProt Synonym Gene Names	IL-7 receptor subunit alpha; IL-7R subunit alpha; IL-7R-alpha; IL-7RA
UniProt Entry Name	IL7RA_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.