

Human IL7R/CD127 ELISA Kit | IL7R elisa kit

Human IL7R/CD127 PicoKine ELISA Kit

CATALOG #
AAA45980

REACTIVITY
Human

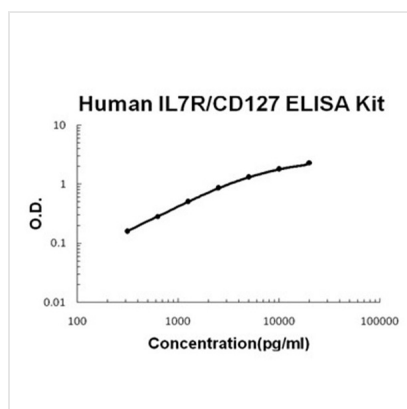
PRODUCT SYNONYMS

IL7R/CD127; Human 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	Human
Specificity	Natural and recombinant human IL7R
Sequence Length	459
Samples	Cell culture supernates and serum
Assay Type	Sandwich
Detection Range	312pg/ml-20,000pg/ml
Sensitivity	< 10pg/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)

Human IL7R/CD127 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL7R elisa kit	Principle of the assay: human IL7R ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for IL7R has been precoated onto 96-well plates. Standards(NSO, E21-I262) 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 human 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 #	215274000
NCBI GeneID	3575
UniProt Accession #	P16871; Q05CU8; Q6NSP4; Q6NWM0; Q6NWM1; Q6NWM2; Q6NWM3; Q6SV45; Q9UPC1; B2RCS6; B4DVT1
Molecular Weight	28,724 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	ILRA; CD127; IL7RA; CDW127; IL-7R-alpha
NCBI Protein Information	interleukin-7 receptor subunit alpha; IL-7RA; CD127 antigen; IL-7R subunit alpha; IL-7 receptor subunit alpha; interleukin 7 receptor alpha chain; interleukin 7 receptor isoform H5-6
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_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.