

Mouse CD127 ELISA Kit | IL7R elisa kit

Mouse CD127 ELISA Kit

CATALOG # AAA261711	REACTIVITY Mouse	APPLICATIONS ELISA
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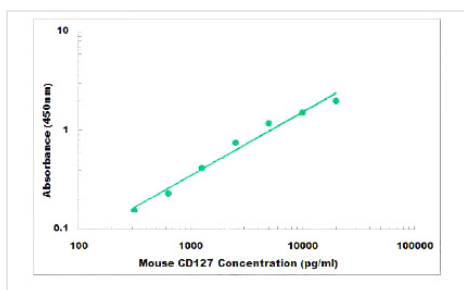
PRODUCT SYNONYMS

CD127; Mouse CD127 ELISA Kit; Interleukin-7 receptor subunit alpha; IL-7 receptor subunit alpha; IL-7R subunit alpha; IL-7R-alpha; IL-7RA; CDw127; IL7R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse CD127 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse CD127 proteins within the range of 312 pg/ml - 20000 pg/ml.
Sequence Length	459
Samples	Cell Culture Supernatants, Serum.
Sensitivity	10 pg/ml.
Applicable Applications for IL7R elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL7R elisa kit	Principle of the Assay The Mouse CD127 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse CD127 in Cell Culture Supernatants, Serum. This assay employs an antibody specific for Mouse CD127 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD127 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse CD127 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD127 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: 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
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.