

Datasheet for ABIN6719851 IL7R ELISA Kit



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1 Image

Overview

Quantity:	1 kit
Target:	IL7R
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	312 pg/mL - 20000 pg/mL
Minimum Detection Limit:	312 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 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, Interleukin-7 receptor subunit alpha</p> <p>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,</p>

Product Details

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.

Gene Name: IL7R

Production: Natural and recombinant human IL7R. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: E21-I262

Target Details

Target:	IL7R
Alternative Name:	IL7R - CD127 (IL7R Products)
Gene ID:	3575
NCBI Accession:	NP_002176
UniProt:	P16871
Pathways:	JAK-STAT Signaling , Regulation of Leukocyte Mediated Immunity , Production of Molecular Mediator of Immune Response , Regulation of Cell Size

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 20000pg/mL, 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL human IL7R standard solutions into the pre-coated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates or serum to each empty well. It is recommended that each human IL7R standard solution and each sample be measured in duplicate.

ELISA Dilution: 312pg/mL-20000pg/mL

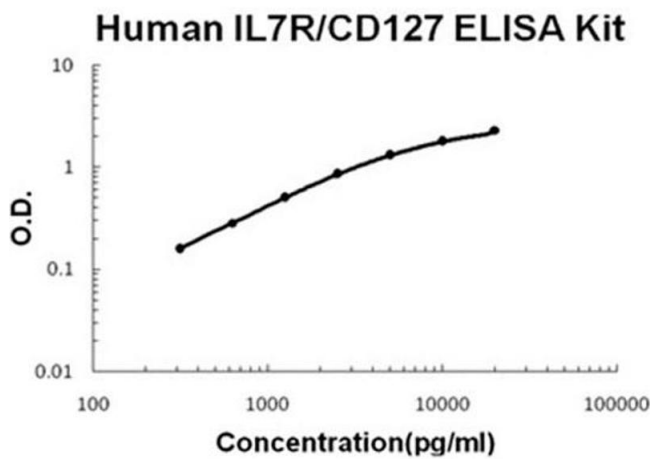
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human IL7R/CD127 Accusignal ELISA Kit Human IL7R/CD127 AccuSignal ELISA Kit standard curve. Assay Range: 312pg/ml-20000pg/ml. Sensitivity: <10pg/ml.