

Mouse IL7R/CD127 AccuSignal ELISA Kit - KOA0416
Code: KOA0416

Size: 1 Kit

Product Description: Mouse IL7R/CD127 AccuSignal ELISA Kit - KOA0416

PhysicalState:

Label	Unconjugated
Gene Name	IL7R
Species Reactivity	Mouse
Storage Condition	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.
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
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 20000pg/ml, 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml mouse IL7R standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates or serum to each empty well. It is recommended that each mouse IL7R standard solution and each sample be measured in duplicate.
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.
Purity And Specificity	Natural and recombinant mouse IL7R. There is no detectable cross-reactivity with other relevant proteins.
ELISA	312pg/ml-20000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: NSO; Immunogen sequence: E21-D239

Related Products

MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000

Related Links

UniProtKB - P16872

<http://www.uniprot.org/uniprot/P16872>

 NCBI - http://www.ncbi.nlm.nih.gov/protein/NP_032398.3
 NP_032398.3

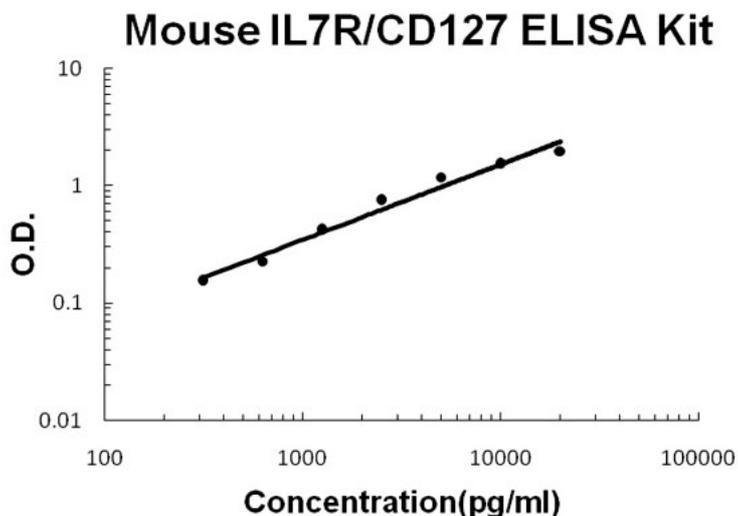
GeneID - 16197

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=16197>

Images

1

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



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.