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Datasheet for ABIN2859299 IL17D ELISA Kit

Image



Overview

Quantity:	96 tests
Target:	IL17D
Binding Specificity:	AA 25-205
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	62.5-4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse IL-17D
Brand:	PicoKine™
Sample Type:	Cell Culture Supernatant, Serum, Plasma (heparin), Plasma (EDTA)
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Immunogen:	Expression system for standard: E.coli Immunogen sequence: A25-R205
Specificity:	Expression system for standard: E.coli Immunogen sequence: A25-R205
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

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Sensitivity:	<10pg/mL			
Material not included:	Microplate reader in standard size. Automated plate washer. Adjustable pipettes and pipe			
	tips. Multichannel pipettes are recommended in the condition of large amount of samples in the			
	detection. Clean tubes and Eppendorf tubes. Washing buffer (neutral PBS or TBS). Preparation			
	of 0.01M TBS: Add 1.2g Tris, 8.5g Nacl			

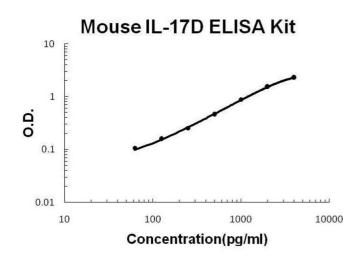
Target Details

Target:	IL17D		
Alternative Name:	IL17D (IL17D Products)		
Background:	Background: Interleukin 17D (IL-17D) is a member of the unique IL-17 family, which share a conserved cysteine motif. It is mapped to 13q12.11. IL-17D regulates cytokine production in endothelial cells and inhibits hemopoiesis in vitro. Purified recombinant IL-17D inhibited myeloid progenitor cell colony formation. IL-17D can enhance endothelial cell production of IL6 IL8, and GMCSF, but not other cytokines. And it is preferentially expressed in skeletal muscle, brain, adipose tissue, heart, lung, and pancreas. Synonyms: IL-17D ,II17d ,		
	Full Gene Name: interleukin 17D		
Gene ID:	239114		
UniProt:	Q8K4C4		
Pathways:	Cellular Response to Molecule of Bacterial Origin		
Application Details			
Application Notes:	Before using Kit, spin tubes and bring down all components to bottom of tube. Duplicate well assay was recommended for both standard and sample testing.		
Plate:	Pre-coated		
Protocol:	mouse IL-17D ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for IL-17D has been precoated onto 96-well plates. Standards(E.coli, A25-R205) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-17D 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		

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Application Details			
	blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse IL-17D amount of sample captured in plate.		
Assay Procedure:	Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL,1000pg/mL, 500pg/mL, 250pg/mL,		
	125pg/mL, 62.5pg/mL mouse IL-17D standard solutions into the precoated 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to		
	each empty well. See "Sample Dilution Guideline" above for details. It is recommended that		
	each mouse IL-17D standard solution and each sample be measured in duplicate.		
Assay Precision:	Sample 1: n=16, Mean(pg/ml): 715, Standard deviation: 30.03, CV(%): 4.2		
	Sample 2: n=16, Mean(pg/ml): 1410, Standard deviation: 64.86, CV(%): 4.6		
	 Sample 3: n=16, Mean(pg/ml): 2703, Standard deviation: 137.9, CV(%): 5.1, 		
	 Sample 1: n=24, Mean(pg/ml): 694, Standard deviation: 38.17, CV(%): 5.5 		
	 Sample 2: n=24, Mean(pg/ml): 1582, Standard deviation: 99.67, CV(%): 6.3 		
	• Sample 3: n=24, Mean(pg/ml): 2691, Standard deviation: 180.3, CV(%): 6.7		
Restrictions:	For Research Use only		
Handling			
Handling Advice:	Avoid multiple freeze-thaw cycles.		
Storage:	-20 °C,4 °C		
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles		
Expiry Date:	12 months		

Images



ELISA		
Image 1.		

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