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Datasheet for ABIN1672770

CCL17 ELISA Kit





Overview

Quantity:	96 tests
Target:	CCL17
Binding Specificity:	AA 24-93
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	31.2-2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse CCL17/TARC
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: A24-P93
Specificity:	Expression system for standard: E.coli
	Immunogen sequence: A24-P93
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

Product Details

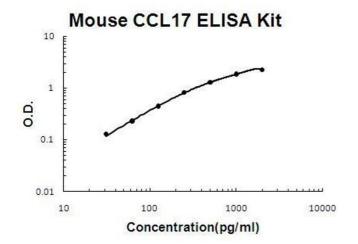
Sensitivity:	<10pg/mL
Material not included:	Microplate reader in standard size. Automated plate washer. Adjustable pipettes and pipette tips. Multichannel pipettes are recommended in the condition of large amount of samples in the detection. Clean tubes and Eppendorf tubes. Washing buffer (neutral PBS or TBS). Preparation of 0.01M TBS: Add 1.2g Tris, 8.5g Nacl
Target Details	
Target:	CCL17
Alternative Name:	CCL17 (CCL17 Products)
Background:	Background: Chemokine(C-C motif) ligand 17(CCL17) is a small cytokine belonging to the CC chemokine family that is also known as thymus and activation regulated chemokine(TARC). CCL17 is expressed constitutively in thymus, but only transiently in phytohemagglutininstimulated peripheral blood mononuclear cells. This chemokine specifically binds and induces chemotaxis in T cells and elicits its effects by interacting with the chemokine receptor CCR4. The gene for CCL17 is located on chromosome 16, in humans, along with other chemokines called CCL22 and CX3CL1. Synonyms: C-C motif chemokine ,Ccl17, Full Gene Name: C-C motif chemokine Cellular Localisation: Secreted.
Gene ID:	20295
UniProt:	F6R5P4
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.
Comment:	Sequence similarities: Belongs to the intercrine beta (chemokine CC) family.
Plate:	Pre-coated
Protocol:	mouse CCL17 ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CCL17 has been precoated onto 96-well plates. Standards(E.coli, A24-P93) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CCL17 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex is added and

Application Details

	unbound conjugates are washed away with PBS or TBS buffer. HRP substrate TMB are used to
	visualize HRP enzymatic reaction. TMB is 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 mouse CCL17 amount of sample captured in plate.
Assay Procedure:	Aliquot 0.1 mL per well of the 2000pg/mL,1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL,
	62.5pg/mL, 31.2pg/mL mouse CCL17 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 CCL17 standard solution and each sample be measured in duplicate.
Assay Precision:	 Sample 1: n=16, Mean(pg/ml): 108, Standard deviation: 5.29, CV(%): 4.9
	 Sample 2: n=16, Mean(pg/ml): 437, Standard deviation: 23.16, CV(%): 5.3
	 Sample 3: n=16, Mean(pg/ml): 1294, Standard deviation: 82.82, CV(%): 6.4,
	 Sample 1: n=24, Mean(pg/ml): 113, Standard deviation: 9.27, CV(%): 8.2
	 Sample 2: n=24, Mean(pg/ml): 472, Standard deviation: 40.59, CV(%): 8.6
	• Sample 3: n=24, Mean(pg/ml): 1302, Standard deviation: 118.48, CV(%): 9.1
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



ELISA

Image 1. Mouse CCL17/TARC PicoKine ELISA Kit standard curve