

Datasheet for ABIN1672744
CCL19 ELISA Kit[Go to Product page](#)

1 Image

Overview

Quantity:	96 tests
Target:	CCL19
Binding Specificity:	AA 22-98
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	15.6-1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human CCL19/MIP-3 beta
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: G22-S98
Specificity:	Expression system for standard: E.coli Immunogen sequence: G22-S98
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:	CCL19
Alternative Name:	CCL19 (CCL19 Products)
Background:	<p>Background: Chemokine(C-C motif) ligand 19(CCL19) is a small cytokine belonging to the CC chemokine family that is also known as EBI1 ligand chemokine(ELC) and macrophage inflammatory protein-3-beta (MIP-3-beta). Using PCR of human-rodent hybrids, the CCL19 gene was map to human chromosome 9p13, and the CCL19 gene is not part of the CC chemokine gene cluster on chromosome 17. The cytokine encoded by this gene may play a role in normal lymphocyte recirculation and homing. It also plays an important role in trafficking of T cells in thymus, and in T cell and B cell migration to secondary lymphoid organs.</p> <p>Synonyms: C-C motif chemokine ,CCL19 ,hCG_20476 ,</p> <p>Full Gene Name: C-C motif chemokine</p> <p>Cellular Localisation: Secreted.</p>
Gene ID:	6363
UniProt:	Q6IBD6
Pathways:	Positive Regulation of Immune Effector Process

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:	human CCL19 ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CCL19 has been precoated onto 96-well plates. Standards(E.coli, G22-S98) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CCL19 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex is

Application Details

added and 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 human CCL19 amount of sample captured in plate.

Assay Procedure: Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL human CCL19 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 human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. See "Sample Dilution Guideline" above for details. It is recommended that each human CCL19 standard solution and each sample be measured in duplicate.

Assay Precision:

- Sample 1: n=16, Mean(pg/ml): 97, Standard deviation: 5.53, CV(%): 5.7
- Sample 2: n=16, Mean(pg/ml): 293, Standard deviation: 14.1, CV(%): 4.8
- Sample 3: n=16, Mean(pg/ml): 583, Standard deviation: 36.15, CV(%): 6.2,
- Sample 1: n=24, Mean(pg/ml): 117, Standard deviation: 7.5, CV(%): 6.4
- Sample 2: n=24, Mean(pg/ml): 374, Standard deviation: 18.7, CV(%): 5
- Sample 3: n=24, Mean(pg/ml): 627, Standard deviation: 42.64, CV(%): 6.8

Restrictions: For Research Use only

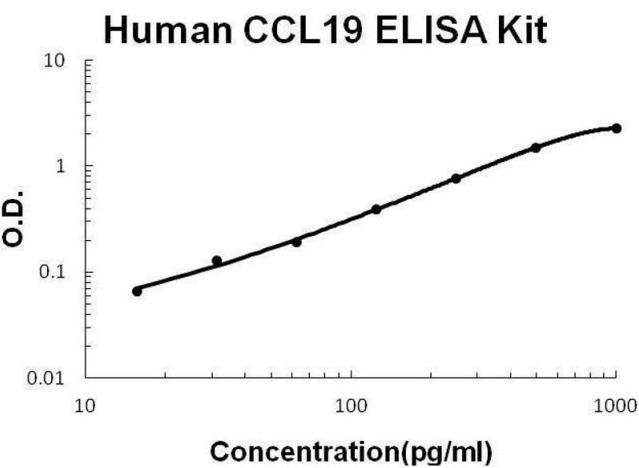
Handling

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. Human CCL19/MIP-3 beta PicoKine ELISA Kit standard curve