

Human CCL28 PicoKine ELISA Kit | CCL28 elisa kit

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CATALOG #
AAA46143

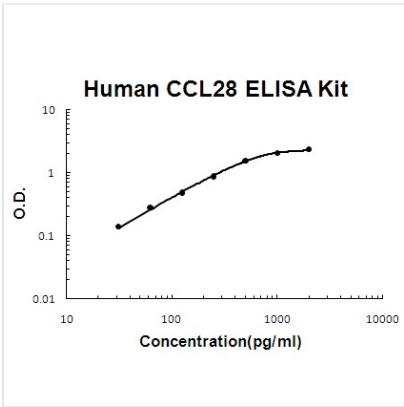
REACTIVITY
Human

PRODUCT SYNONYMS

CCL28 PicoKine; Human CCL28 PicoKine ELISA Kit; C-C motif chemokine 28; CCK 1; CCK1; CCL 28; Chemokine (C-C motif) ligand 28; MEC; MGC71902; Mucosae associated epithelial chemokine; OTTHUMP0000022162; SCYA28; Small inducible cytokine A28; Small inducible cytokine A28 [Precursor]; Small inducible cytokine subfamily A (Cys-Cys); member 28; chemokine (C-C motif) ligand 28; CCL28 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human CCL28
Sequence Length	127
Assay Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of human CCL28 in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	E Coli, I23-Y127
Assay Procedure Step 1	Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml human CCL28 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 human cell culture supernates, serum and plasma(heparin, EDTA) to each empty well. It is recommended that each human CCL28 standard solution and each sample be measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 223 820 1587 426 975 1628 Standard deviation 11.60 53.3 109.50 27.69 70.2 135.12 CV(%) 5.2 6.5 6.9 6.5 7.2 8.3
Sample Data	Concentration(pg/ml) 0 31.2 62.5 125 250 500 1000 2000 O.D. 0.019 0.137 0.275 0.476 0.857 1.532 2.039 2.324
Anticoagulant	Heparin or EDTA
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Human CCL28 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CCL28 elisa kit	Principle of the assay: Human CCL28 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CCL28 has been precoated onto 96-well plates. Standards(Expression system for standard: E Coli, Immunogen sequence: I23-Y127) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CCL28 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 blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human CCL28 amount of sample captured in plate. Background: CCL28, also known as mucosae-associated epithelial chemokine (MEC), CCK1 and SCYA28, is a chemokine. It is mapped to 5p12. The tumor hypoxia promotes the recruitment of regulatory T (Treg) cells through induction of expression of the chemokine CCL28, which in turn promotes tumor tolerance and angiogenesis. CCL28 regulates the chemotaxis of cells that express the chemokine receptors CCR3 and CCR10. CCL28 has also been implicated in the migration of IgA-expressing cells to the mammary gland, salivary gland, intestine and other mucosal tissues. It has also been shown as a potential antimicrobial agent effective against certain pathogens, such as Gram negative and Gram positive bacteria and the fungus Candida albicans.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	687569447
NCBI GeneID	56477
NCBI Accession #	NP_001288802.1
NCBI GenBank Nucleotide #	NM_001301873.1
UniProt Accession #	Q9NRJ3; D7RIE7
Molecular Weight	12,375 Da
NCBI Official Full Name	C-C motif chemokine 28 isoform a
NCBI Official Synonym Full Names	C-C motif chemokine ligand 28
NCBI Official Symbol	CCL28
NCBI Official Synonym Symbols	MEC; CCK1; SCYA28
NCBI Protein Information	C-C motif chemokine 28
UniProt Protein Name	C-C motif chemokine 28
UniProt Gene Name	CCL28

UniProt Synonym Gene Names	SCYA28; MEC
UniProt Entry Name	CCL28_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ccl28-picokine/46143>