

Human CCL21/6Ckine ELISA Kit | CCL21 elisa kit

Human CCL21/6Ckine PicoKine ELISA Kit

CATALOG #
AAA45572

REACTIVITY
Human

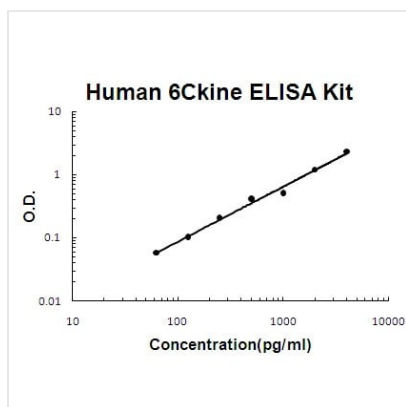
PRODUCT SYNONYMS

CCL21/6Ckine; Human CCL21/6Ckine PicoKine ELISA Kit; C-C motif chemokine 21; chemokine (C-C motif) ligand 21; 6Ckine; Beta chemokine exodus 2; Beta chemokine exodus2; Beta-chemokine exodus-2; CCL 21; CCL21; Chemokine C C motif ligand 21; Chemokine CC motif ligand 21; CKb 9; CKb9; ECL; Efficient Chemoattractant for Lymphocytes; Exodus 2; Exodus2; MGC34555; OTTHUMP00000000526; OTTHUMP00000000527; SCYA 21; SCYA21; Secondary lymphoid tissue chemokine; Secondary lymphoid-tissue chemokine; SLC; Small inducible cytokine A21; Small inducible cytokine subfamily A (Cys Cys) member 21; Small inducible cytokine subfamily A (Cys-Cys) member 21; Small inducible cytokine subfamily A member 21; TCA 4; TCA4; UNQ784/PRO1600; CCL21 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human CCL21
Sequence Length	134
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 12pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human CCL21/6Ckine PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CCL21 elisa kit

Principle of the assay: human CCL21 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CCL21 has been precoated onto 96-well plates. Standards(E.coli, S24-P134) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CCL21 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 CCL21 amount of sample captured in plate.

Background: Chemokine (C-C motif) ligand 21 (CCL21) is a small cytokine belonging to the CC chemokine family. This chemokine is also known as 6Ckine (because it has six conserved cysteine residues instead of the four cysteines typical to chemokines), exodus-2, and secondary lymphoid-tissue chemokine (SLC).¹ By somatic cell hybrid and radiation hybrid analyses, mapped the SCYA21 gene to 9p13. 2 Chemokines are a family of proteins that direct leukocyte migration and activation to inflammatory stimuli. CXC chemokine ligand 13 (CXCL13), CC chemokine ligand 21 (CCL21), and CCL19 are constitutively expressed in secondary lymphoid organs, where they control the placement of lymphocytes and dendritic cells. It was demonstrated that the local expression of homeostatic chemokines in nonlymphoid organs, such as the lung, plays an important role in protective immune responses.³

NCBI AND UNIPROT INFORMATION

NCBI GI #	6094386
NCBI GeneID	6366
UniProt Accession #	O00585
Molecular Weight	14,646 Da
NCBI Official Full Name	C-C motif chemokine 21
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 21
NCBI Official Symbol	CCL21
NCBI Official Synonym Symbols	ECL; SLC; CKb9; TCA4; 6Ckine; SCYA21
NCBI Protein Information	C-C motif chemokine 21; beta chemokine exodus-2; secondary lymphoid tissue chemokine; Efficient Chemoattractant for Lymphocytes; small inducible cytokine subfamily A (Cys-Cys), member 21
UniProt Protein Name	C-C motif chemokine 21
UniProt Gene Name	CCL21
UniProt Synonym Gene Names	SCYA21; SLC
UniProt Entry Name	CCL21_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/ccl21-6ckine/45572>