

Mouse CCL21/6Ckine PicoKine ELISA Kit | Gm1987 elisa kit

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CATALOG #
AAA46184

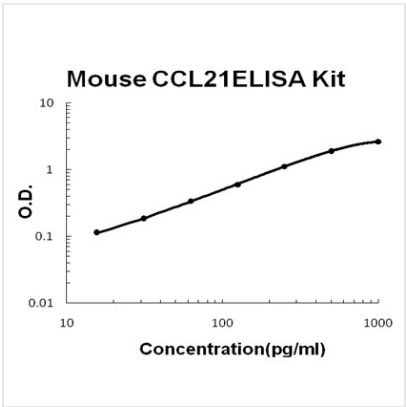
REACTIVITY
Mouse

PRODUCT SYNONYMS

CCL21/6Ckine PicoKine; Mouse CCL21/6Ckine PicoKine ELISA Kit; C-C motif chemokine 21; 6Ckine; Beta chemokine exodus 2; Chemokine (C-C motif) ligand 21; CKb9; ECL; Efficient Chemoattractant for Lymphocytes; Exodus2; MGC34555; OTTHUMP00000000526; OTTHUMP00000000527; OTTHUMP00000021303; SCYA 21; SCYA21; Secondary lymphoid tissue chemokine; SLC; Small inducible cytokine A21; Small inducible cytokine subfamily A (Cys-Cys); member 21; TCA 4; TCA4; chemokine (C-C motif) ligand 21; Gm1987 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CCL21
Sequence Length	133
Assay Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of mouse CCL21 in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	E Coli, S24-G133
Assay Procedure Step 1	Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml mouse CCL21 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse CCL21 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) 125 357 556 130 349 618 Standard deviation 6.5 18.56 31.13 8.32 23.03 36.46 CV(%) 5.2 5.9 5.6 6.4 6.6 5.9
Sample Data	Concentration(pg/ml) 0 15.6 31.2 62.5 125 250 500 1000 O.D. 0.042 0.115 0.186 0.336 0.598 1.116 1.898 2.604
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)
Mouse CCL21/6Ckine PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Gm1987 elisa kit	Principle of the assay: Mouse CCL21 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CCL21 has been precoated onto 96-well plates. Standards (E Coli, S24-G133) 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 mouse 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). By somatic cell hybrid and radiation hybrid analyses, mapped the SCYA21 gene to 9p13. 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 demonstrate that the local expression of homeostatic chemokines in nonlymphoid organs, such as the lung, plays an important role in protective immune responses.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	302488378
NCBI GeneID	100504362
NCBI Accession #	NP_001180596.1
NCBI GenBank Nucleotide #	NM_001193667.1
UniProt Accession #	P84444; O09002; O09006; Q3U1J2; Q91V84
Molecular Weight	14,558 Da
NCBI Official Full Name	predicted gene 1987
NCBI Official Synonym Full Names	predicted gene 1987
NCBI Official Symbol	Gm1987
NCBI Official Synonym Symbols	100038965
NCBI Protein Information	predicted gene 1987
UniProt Protein Name	C-C motif chemokine 21a

UniProt Gene Name	Ccl21a
UniProt Synonym Gene Names	Scya21; Scya21a; TCA4
UniProt Entry Name	CC21A_MOUSE

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/mouse-elisa-kits/ccl21-6ckine-picokine/46184>