

Rabbit anti-Mouse, Rat Ccl21 Polyclonal Antibody | anti-CCL21 antibody

Anti-Ccl21 Antibody Picoband

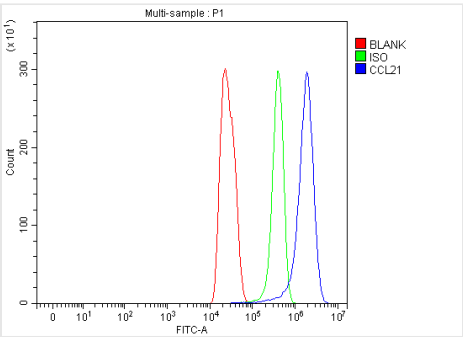
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126070	Rabbit	Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

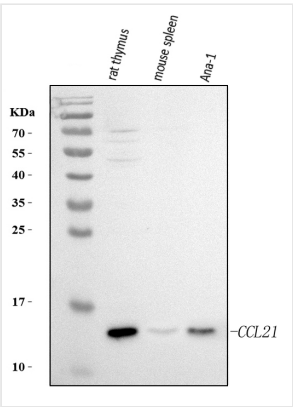
Ccl21; Polyclonal Antibody; Anti-Ccl21 Antibody Picoband; anti-CCL21 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CCL21 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived rat Ccl21 recombinant protein (Position: S24-Q133).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of C6 cells using anti-Ccl21 antibody (AAA126070). Overlay histogram showing C6 cells stained with AAA126070 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Ccl21 Antibody (AAA126070, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of Ccl21 using anti-Ccl21 antibody (AAA126070). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat thymus tissue lysates, Lane 2: mouse spleen tissue lysates, Lane 3: mouse ANA-1 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Ccl21 antigen affinity purified polyclonal antibody (#AAA126070) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Ccl21 at approximately 15 kDa. The expected band size for Ccl21 is at 15 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CCL21 antibody	Chemokine (C-C motif) ligand 21 (CCL21) is a small cytokine belonging to the CC chemokine family. This antimicrobial gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. Similar to other chemokines the protein encoded by this gene inhibits hemopoiesis and stimulates chemotaxis. This protein is chemotactic in vitro for thymocytes and activated T cells, but not for B cells, macrophages, or neutrophils. The cytokine encoded by this gene may also play a role in mediating homing of lymphocytes to secondary lymphoid organs. It is a high affinity functional ligand for chemokine receptor 7 that is expressed on T and B lymphocytes and a known receptor for another member of the cytokine family (small inducible cytokine A19).
Product Categories/Family for anti-CCL21 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	56606078
NCBI GeneID	298006
NCBI Accession #	NP_001008513.1
NCBI GenBank Nucleotide #	NM_001008513.1
UniProt Accession #	Q5RJN3
Molecular Weight	14,659 Da
NCBI Official Full Name	C-C motif chemokine 21
NCBI Official Synonym Full Names	C-C motif chemokine ligand 21
NCBI Official Symbol	Ccl21

NCBI Official Synonym Symbols	Ccl21b
NCBI Protein Information	C-C motif chemokine 21
UniProt Protein Name	C-C motif chemokine ligand 21
UniProt Gene Name	Ccl21

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/polyclonal/ccl21-antibody-flow-cytometry-western-blot-elisa/126070>