

## Mouse CCL27/CTACK ELISA Kit | CCL27 elisa kit

Mouse CCL27/CTACK PicoKine ELISA Kit

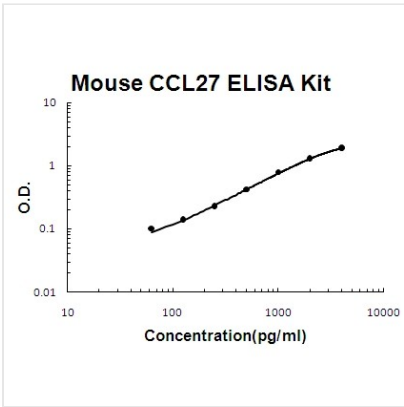
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|------------------------------|----------------------------|
| CATALOG #<br><b>AAA46760</b> | REACTIVITY<br><b>Mouse</b> |
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### PRODUCT SYNONYMS

CCL27/CTACK; Mouse CCL27/CTACK PicoKine ELISA Kit; CC chemokine ILC; CCL27; CTACK; ESkin; IL-11 R-alpha-locus chemokine; ILC; SCYA27; Q9Y4X3; Skinkine; Small inducible cytokine A27; Small-inducible cytokine A27; C-C motif chemokine 27; chemokine (C-C motif) ligand 27; CCL27 elisa kit

### PRODUCT SPECIFICATIONS

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Reactivity                  | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity                 | Natural and recombinant mouse CCL27                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sequence Length             | 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Assay Range                 | 62.5pg/ml-4000pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sensitivity                 | <12pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Anticoagulant               | heparin or EDTA                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| TMB incubation time         | 15-20                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Immunogen                   | E Coli, L26-N120                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Sample Data                 | Concentration(pg/ml):  0 62.5 125 250 500 1000 2000 4000<br>O.D.:  0.027 0.100 0.139 0.226 0.420 0.775 1.300 1.906                                                                                                                                                                                                                                                                                                                                                                 |
| Intra/Inter Assay Precision | Sample:  1 2 3 1 2 3<br>n:  16 16 16 24 24 24<br>Mean(pg/ml):  158 600 2301 192 721 2587<br>Standard Deviation:  7.27 33 135.76 11.71 48.31 191.44<br>CV(%):  4.6 5.5 5.9 6.1 6.7 7.4                                                                                                                                                                                                                                                                                              |
| Assay Procedure Step 1      | Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml mouse CCL27 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, plasma(heparin, EDTA) to each empty well. It is recommended that each mouse CCL27 standard solution and each sample be measured in duplicate. |
| 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 CCL27/CTACK PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Related Product Information for CCL27 elisa kit | <p>For quantitative detection of mouse CCL27 in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA).</p> <p>Background: Chemokine (C-C motif) ligand 27 (CCL27) is a small cytokine belonging to the CC chemokine family, it is also known under the names IL-11 R-alpha-locus chemokine (ILC), Skinkine, ESKine and Cutaneous T-cell-attracting chemokine (CTACK). The human gene is mapped to 9p13.3. CCL27 is associated with homing of memory T lymphocytes to the skin, and plays a role in T cell-mediated inflammation of the skin. And CCL27 is expressed in numerous tissues, including gonads, thymus, placenta and skin. It elicits its chemotactic effects by binding to the chemokine receptor CCR10.</p> <p>Principle: Mouse CCL27 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Rat specific for CCL27 has been precoated onto 96-well plates. Standards (Expression system for standard: E Coli, Immunogen sequence: L26-N120) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CCL27 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 CCL27 amount of sample captured in plate.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 255958225                                  |
| NCBI GeneID                      | 100039863                                  |
| NCBI Accession #                 | NP_001157518.1                             |
| NCBI GenBank Nucleotide #        | NM_001164046.1                             |
| UniProt Accession #              | Q9Z1X0; Q3KNL1; Q9DAU6; Q9DAZ4             |
| Molecular Weight                 | 15,774 Da                                  |
| NCBI Official Full Name          | chemokine (C-C motif) ligand 27b isoform 2 |
| NCBI Official Synonym Full Names | predicted gene 13306                       |
| NCBI Official Symbol             | Gm13306                                    |
| NCBI Protein Information         | chemokine (C-C motif) ligand 27b           |
| UniProt Protein Name             | C-C motif chemokine 27                     |
| UniProt Gene Name                | Ccl27                                      |
| UniProt Synonym Gene Names       | Ilc; Scya27; CTACK; ALP; mILC              |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/ccl27-ctack/46760>