

## Mouse Cartilage acidic protein 1 ELISA Kit | CRTAC1 elisa kit

Mouse Cartilage acidic protein 1 (CRTAC1) ELISA Kit

|                              |                            |
|------------------------------|----------------------------|
| CATALOG #<br><b>AAA55423</b> | REACTIVITY<br><b>Mouse</b> |
|------------------------------|----------------------------|

### PRODUCT SYNONYMS

Cartilage acidic protein 1; Mouse Cartilage acidic protein 1 (CRTAC1) ELISA Kit; CRTAC1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Mouse CRTAC1. No significant cross-reactivity or interference between Mouse CRTAC1 and analogues was observed.             |
| Sequence Length         | 661                                                                                                                                                                                                   |
| Samples                 | Serum, plasma and other biological fluids                                                                                                                                                             |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                 |
| Detection Range         | 31.25 pg/mL - 2000 pg/mL                                                                                                                                                                              |
| Sensitivity             | 20.8 pg/mL                                                                                                                                                                                            |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%                      |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                |

### ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CRTAC1 elisa kit | <p>Intended Uses: For the quantitative detection of Mouse Cartilage acidic protein 1 (CRTAC1) concentration in serum, plasma and other biological fluids.</p> <p>Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate CRTAC1 in Mouse serum, plasma. An antibody specific for CRTAC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CRTAC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CRTAC1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CRTAC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                           |                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                 | <a href="#">110626040</a>                                                                                                  |
| NCBI GeneID               | <a href="#">72832</a>                                                                                                      |
| NCBI Accession #          | <a href="#">NP_660105.3</a>                                                                                                |
| NCBI GenBank Nucleotide # | <a href="#">NM_145123.5</a>                                                                                                |
| UniProt Accession #       | <a href="#">Q8R555</a> ; <a href="#">Q3UF32</a> ; <a href="#">Q3UF40</a> ; <a href="#">Q8BMF1</a> ; <a href="#">Q8R3V8</a> |

|                                         |                                         |
|-----------------------------------------|-----------------------------------------|
| <b>Molecular Weight</b>                 | 70,325 Da                               |
| <b>NCBI Official Full Name</b>          | cartilage acidic protein 1 isoform 1    |
| <b>NCBI Official Synonym Full Names</b> | cartilage acidic protein 1              |
| <b>NCBI Official Symbol</b>             | Crtac1                                  |
| <b>NCBI Official Synonym Symbols</b>    | Lotus; Crtac1B; AW047536; 2810454P21Rik |
| <b>NCBI Protein Information</b>         | cartilage acidic protein 1              |
| <b>UniProt Protein Name</b>             | Cartilage acidic protein 1              |
| <b>UniProt Gene Name</b>                | <b>Crtac1</b>                           |
| <b>UniProt Synonym Gene Names</b>       | Aspic1; Cep68; CEP-68                   |

**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://www.aaabiotech.com/crtac1-mouse-elisa-kits/cartilage-acidic-protein-1/55423>