

## Bovine Carnitine-acylcarnitine translocase ELISA Kit | CACT elisa kit

Bovine Carnitine-acylcarnitine translocase ELISA Kit

CATALOG #  
**AAA97196**

REACTIVITY  
**Bovine**

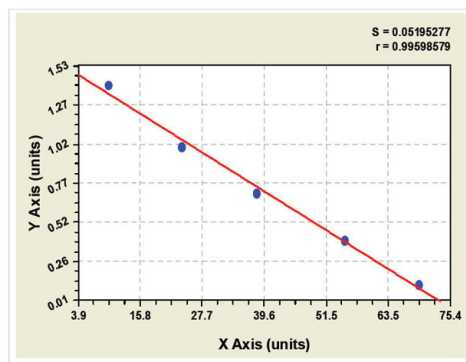
### PRODUCT SYNONYMS

Carnitine-acylcarnitine translocase; Bovine Carnitine-acylcarnitine translocase ELISA Kit; CACT elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Bovine                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                              |
| Assay Type              | Competitive                                                                                                                                                                             |
| Intended Uses           | This CACT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine CACT. This ELISA kit for research use only, not for therapeutic applications  |
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| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                     |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CACT elisa kit

**Principle of the Assay:** CACT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CACT antibody and an CACT -HRP conjugate. The assay sample and buffer are incubated together with CACT -HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CACT concentration since CACT from samples and CACT -HRP conjugate compete for the anti-CACT antibody binding site. Since the number of sites is limited, as more sites are occupied by CACT from the sample, fewer sites are left to bind CACT -HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CACT concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                            |                                 |
|----------------------------|---------------------------------|
| NCBI GI #                  | 194176056                       |
| Molecular Weight           | 52,713 Da                       |
| NCBI Official Full Name    | cact                            |
| UniProt Protein Name       | Cact                            |
| UniProt Gene Name          | cact                            |
| UniProt Synonym Gene Names | Dyakcact; Dyak_GE19366; GE19366 |
| UniProt Entry Name         | B4NXP2_DROYA                    |

**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/cact-bovine-ovine-elisa-kits/carnitine-acylcarnitine-translocase/97196>