

## Canine Vitamin C ELISA Kit | VC elisa kit

Canine Vitamin C ELISA Kit

CATALOG #  
**AAA88200**

REACTIVITY  
**Canine**

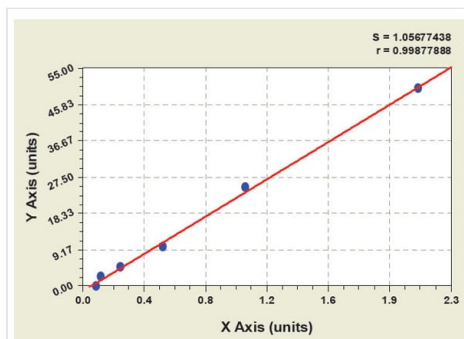
### PRODUCT SYNONYMS

Vitamin C; Canine Vitamin C ELISA Kit; VC elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Canine                                                                                                                                                                              |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                          |
| Assay Type              | Competitive                                                                                                                                                                         |
| Detection Range         | 2.5-50ng/mL                                                                                                                                                                         |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                            |
| Intended Uses           | This VC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine VC. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                 |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for VC elisa kit

**Principle of the assay:** VC ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for VC. Standards or samples are then added to the microtiter plate wells and VC if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of VC present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for VC are added to each well to "sandwich" the VC immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain VC and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VC concentration in each sample is interpolated from this standard curve.

**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://www.aaabiotech.com/vc-canine-elisa-kits/vitamin-c/88200>