

## Canine Cluster of Differentiation 4 ELISA Kit | CD4 elisa kit

Canine Cluster of Differentiation 4 ELISA Kit

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|------------------------------|-----------------------------|
| CATALOG #<br><b>AAA87940</b> | REACTIVITY<br><b>Canine</b> |
|------------------------------|-----------------------------|

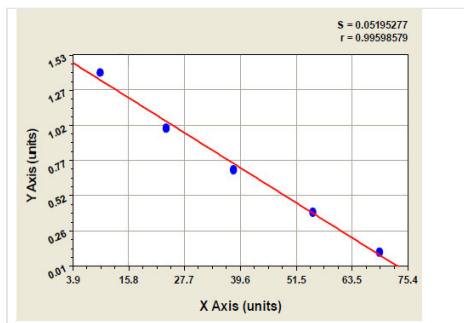
### PRODUCT SYNONYMS

Cluster of Differentiation 4; Canine Cluster of Differentiation 4 ELISA Kit; CD4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Canine                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                            |
| Assay Type              | Competitive                                                                                                                                                                           |
| Detection Range         | 1.0-25ng/mL                                                                                                                                                                           |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                              |
| Intended Uses           | This CD4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CD4. 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 CD4 elisa kit | <p><b>Principle of the Assay:</b> CD4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD4 antibody and an CD4-HRP conjugate. The assay sample and buffer are incubated together with CD4-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 CD4 concentration since CD4 from samples and CD4-HRP conjugate compete for the anti-CD4 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD4 from the sample, fewer sites are left to bind CD4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD4 concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for CD4 elisa kit   | Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                         |                              |
|-------------------------|------------------------------|
| NCBI GI #               | 304650860                    |
| Molecular Weight        | 53,053 Da                    |
| NCBI Official Full Name | cluster of differentiation 4 |
| UniProt Protein Name    | Cluster of differentiation 4 |
| UniProt Gene Name       | CD4                          |
| UniProt Entry Name      | G3CLP6_EPICO                 |

**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/cd4-canine-elisa-kits/cluster-of-differentiation-4/87940>