

## Canine Immunoglobulin D ELISA Kit | IgD elisa kit

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CATALOG #  
**AAA94862**

REACTIVITY  
**Canine**

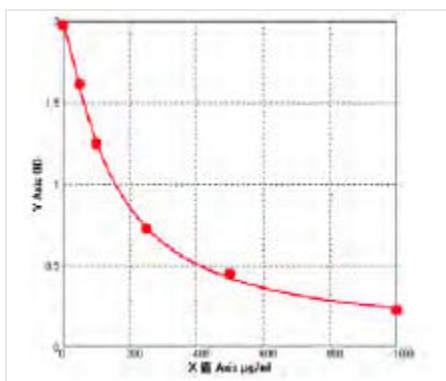
### PRODUCT SYNONYMS

Immunoglobulin D; Canine Immunoglobulin D ELISA Kit; IgD elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Canine                                                                     |
| Samples                 | Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 0.1 mg/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IgD elisa kit

**Intended Uses:** This IG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat IG. This ELISA kit for research use only!

**Principle of the Assay:** IG ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IG antibody and an IG-HRP conjugate. The assay sample and buffer are incubated together with IG-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 IG concentration since IG from samples and IG-HRP conjugate compete for the anti-IG antibody binding site. Since the number of sites is limited, as more sites are occupied by IG from the sample, fewer sites are left to bind IG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IG concentration in each sample is interpolated from this standard curve.

|                                             |            |
|---------------------------------------------|------------|
| Product Categories/Family for IgD elisa kit | Immunology |
|---------------------------------------------|------------|

## NCBI AND UNIPROT INFORMATION

|                         |                  |
|-------------------------|------------------|
| NCBI GI #               | 402238463        |
| NCBI Official Full Name | immunoglobulin D |

**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/igd-canine-elisa-kits/immunoglobulin-d/94862>