

## Canine GATA Binding Protein 5 ELISA Kit | GATA5 elisa kit

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CATALOG #  
**AAA89514**

REACTIVITY  
**Canine**

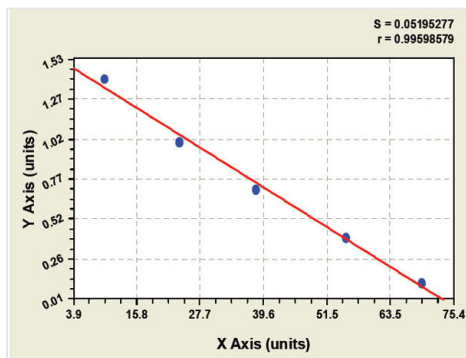
### PRODUCT SYNONYMS

GATA Binding Protein 5; Canine GATA Binding Protein 5 ELISA Kit; GATA5 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Canine                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                |
| Assay Type              | Sandwich                                                                                                                                                                                  |
| Detection Range         | 1.0-25ng/mL                                                                                                                                                                               |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                                  |
| Intended Uses           | This GATA5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GATA5. 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 GATA5 elisa kit

**Principle of the Assay:** GATA5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GATA5 antibody and an GATA5-HRP conjugate. The assay sample and buffer are incubated together with GATA5-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 GATA5 concentration since GATA5 from samples and GATA5-HRP conjugate compete for the anti-GATA5 antibody binding site. Since the number of sites is limited, as more sites are occupied by GATA5 from the sample, fewer sites are left to bind GATA5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GATA5 concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 29126838                                                                                          |
| NCBI GeneID                      | 140628                                                                                            |
| Molecular Weight                 | 41,299 Da                                                                                         |
| NCBI Official Full Name          | GATA5 protein, partial                                                                            |
| NCBI Official Synonym Full Names | GATA binding protein 5                                                                            |
| NCBI Official Symbol             | GATA5                                                                                             |
| NCBI Official Synonym Symbols    | GATAS; bB379O24.1                                                                                 |
| NCBI Protein Information         | transcription factor GATA-5; GATA binding factor-5; GATA-binding factor 5; GATA-binding protein 5 |
| UniProt Protein Name             | Transcription factor GATA-5                                                                       |
| UniProt Gene Name                | <b>GATA5</b>                                                                                      |
| UniProt Entry Name               | GATA5_HUMAN                                                                                       |

**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://stage.aaabiotech.com/gata5-canine-elisa-kits/gata-binding-protein-5/89514>