

## Canine Glutamate carboxypeptidase 2 (FOLH1) ELISA Kit | FOLH1 elisa kit

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CATALOG #  
**AAA245937**

REACTIVITY  
**Canine**

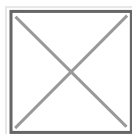
### PRODUCT SYNONYMS

Glutamate carboxypeptidase 2 (FOLH1); Canine Glutamate carboxypeptidase 2 (FOLH1) ELISA Kit; FOLH1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Canine                                                                     |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 0.1 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for FOLH1 elisa kit

Intended Uses: This FOLH1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine FOLH1. This ELISA kit for research use only!

Principle of the Assay: FOLH1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-FOLH1 antibody and an FOLH1-HRP conjugate. The assay sample and buffer are incubated together with FOLH1-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 FOLH1 concentration since FOLH1 from samples and FOLH1-HRP conjugate compete for the anti-FOLH1 antibody binding site. Since the number of sites is limited, as more sites are occupied by FOLH1 from the sample, fewer sites are left to bind FOLH1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FOLH1 concentration in each sample is interpolated from this standard curve.

### NCBI AND UNIPROT INFORMATION

|                           |                |
|---------------------------|----------------|
| NCBI GI #                 | 62548858       |
| NCBI GeneID               | 2346           |
| NCBI Accession #          | NP_001014986.1 |
| NCBI GenBank Nucleotide # | NM_001014986.1 |

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Molecular Weight                 | 50,090 Da                                                                                                                                                                                                                                                                                                                                                                                                               |
| NCBI Official Full Name          | glutamate carboxypeptidase 2 isoform 2                                                                                                                                                                                                                                                                                                                                                                                  |
| NCBI Official Synonym Full Names | folate hydrolase (prostate-specific membrane antigen) 1                                                                                                                                                                                                                                                                                                                                                                 |
| NCBI Official Symbol             | FOLH1                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NCBI Official Synonym Symbols    | PSM; FGCP; FOLH; GCP2; PSMA; mGCP; GCPII; NAALAD1; NAALAdase                                                                                                                                                                                                                                                                                                                                                            |
| NCBI Protein Information         | glutamate carboxypeptidase 2; NAALADase I; glutamate carboxylase II; glutamate carboxypeptidase II; membrane glutamate carboxypeptidase; cell growth-inhibiting gene 27 protein; folylpoly-gamma-glutamate carboxypeptidase; prostate specific membrane antigen variant F; pteroylpoly-gamma-glutamate carboxypeptidase; N-acetylated alpha-linked acidic dipeptidase 1; N-acetylated-alpha-linked acidic dipeptidase I |
| UniProt Protein Name             | Glutamate carboxypeptidase 2                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt Gene Name                | <b>FOLH1</b>                                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt Synonym Gene Names       | FOLH; NAALAD1; PSM; PSMA; GIG27; FGCP; GCPII; mGCP; NAALADase I; PSM; PSMA                                                                                                                                                                                                                                                                                                                                              |
| UniProt Entry Name               | FOLH1_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.

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Online datasheet: <https://stage.aaabiotech.com/canine-elisa-kits/glutamate-carboxypeptidase-2-folh1/245937>