

Rat Glutamate carboxypeptidase 2 (FOLH1) ELISA Kit | FOLH1 elisa kit

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CATALOG #
AAA246925

REACTIVITY
Rat

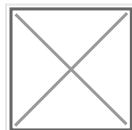
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/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 Rat 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	FOLH1
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/rat-elisa-kits/glutamate-carboxypeptidase-2-folh1/246925>