

Folic Acid (FA) ELISA Kit | FA elisa kit

General Folic Acid (FA) Mini Samples ELISA Kit

CATALOG #
AAA147355

REACTIVITY
Pan-species (General)

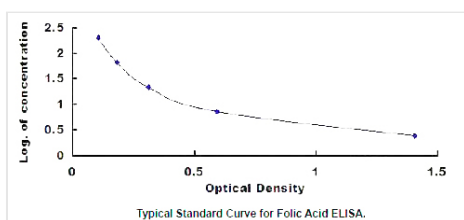
PRODUCT SYNONYMS

Folic Acid (FA); General Folic Acid (FA) Mini Samples ELISA Kit; VB9; Vitamin B9; Folacin; Folate; V; Itamin M; Vitamin M; Vitamin Bc; Pteroyl-L-Glutamic Acid; Pteroyl-L-Glutamate; FA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pan-species (General)
Specificity	This assay has high sensitivity and excellent specificity for detection of folic acid. No significant cross-reactivity or interference between folic acid and analogues was observed.
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	2.47-200ng/mL
Sensitivity	< 0.87ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level folic acid were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level folic acid were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FA elisa kit

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of folic acid in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to folic acid has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled folic acid and unlabeled folic acid (Standards or samples) with the pre-coated antibody specific to folic acid. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of folic acid in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of folic acid in the sample.

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/general-elisa-kits/folic-acid-fa/147355>