

Pig Alpha-Fetoprotein (aFP) ELISA Kit | aFP elisa kit

Pig Alpha-Fetoprotein (aFP) Mini Samples ELISA Kit

CATALOG #
AAA147323

REACTIVITY
Pig

PRODUCT SYNONYMS

Alpha-Fetoprotein (aFP); Pig Alpha-Fetoprotein (aFP) Mini Samples ELISA Kit; A-FP; FETA; HPAFP; Alpha-Fetoglobulin; Alpha-1-fetoprotein; aFP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of AFP. No significant cross-reactivity or interference between AFP and analogues was observed.
Sequence Length	610
Assay Type	Quantitative Sandwich
Samples	Porcine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.113ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AFP 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 AFP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

ADDITIONAL INFORMATION

Related Product Information for aFP elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to AFP. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to AFP. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain AFP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of AFP in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AFP in porcine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for aFP elisa kit	Tumor immunity ; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	47523700
NCBI GeneID	397586
NCBI Accession #	NP_999482.1
NCBI GenBank Nucleotide #	NM_214317.1

UniProt Accession #	Q8MJ76
Molecular Weight	68,625 Da
NCBI Official Full Name	alpha-fetoprotein
NCBI Official Symbol	AFP
NCBI Protein Information	alpha-fetoprotein
UniProt Protein Name	Alpha-fetoprotein
UniProt Gene Name	AFP

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://www.aaabiotech.com/pig-elisa-kits/alpha-fetoprotein-afp/147323>