

Canine Alpha-fetoprotein ELISA Kit | AFP elisa kit

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CATALOG #
AAA92028

REACTIVITY
Canine

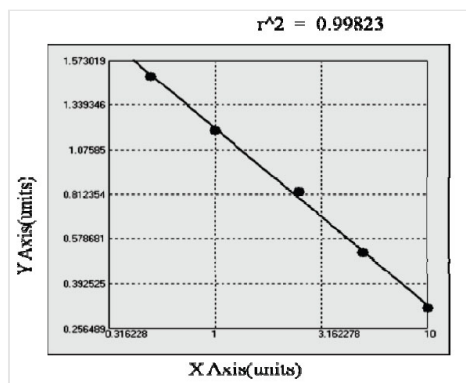
PRODUCT SYNONYMS

Alpha-fetoprotein; Canine Alpha-fetoprotein ELISA Kit; AFP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This AFP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine AFP. 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 AFP elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501989
NCBI GeneID	174
NCBI Accession #	NP_001125.1
NCBI GenBank Nucleotide #	NM_001134.2
Molecular Weight	68,678 Da
NCBI Official Full Name	alpha-fetoprotein
NCBI Official Synonym Full Names	alpha-fetoprotein
NCBI Official Symbol	AFP
NCBI Official Synonym Symbols	AFPD; FETA; HPAFP
NCBI Protein Information	alpha-fetoprotein; alpha-fetoglobulin; alpha-1-fetoprotein
UniProt Protein Name	Alpha-fetoprotein
UniProt Gene Name	AFP
UniProt Synonym Gene Names	HPAFP
UniProt Entry Name	FETA_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.