Human αFP Antibody Pair Set

Catalog No. E-KAB-0070 **Applications** ELISA

Synonyms AFP, FETA, HPAFP, Alpha-fetoglobulin, oralpha fetal protein

Kit components & Storage

Title	Specifications	Storage
Human αFP Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human αFP Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

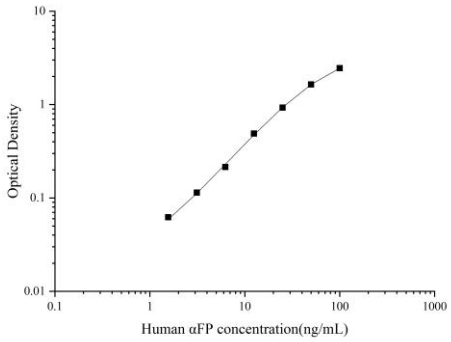
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0070)	
		Human αFP Capture Antibody	Human αFP Detection Antibody (Biotin)
Immunogen Information	Immunogen	Native Protein	Native Protein
	Swissprot	P02771	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Human αFP in ELISAs.	

Applications

Human αFP Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4μg/mL	Human αFP Capture Antibody	
ELISA Detection	1:1000-1:10000	Human αFP Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

alpha-Fetoprotein (AFP),is albuminoid superfamily protein that is synthesized in the fetus primarily by the liver,yolk sac,and tissues of gastrointestinal origin. It is one of the earliest markers of the hepatocyte lineage. AFP acts as a carrier protein for steroids,bilirubin,fatty acids,retinoids,and flavonoids. In addition,it can exert immunosuppressive activity,regulate cell proliferation and apoptosis,initiate intracellular signaling,and contribute to cell invasion. Altered levels of both fetal and maternal AFP have been associated with hypothyroidism,autoimmune disorders,and heart defects. Low maternal serum AFP levels are associated with a higher incidence of Down syndrome,whereas higher levels are associated with spina bifida and anencephaly. Elevated AFP levels are also coincident with liver,stomach,and germ cell cancers.