# **Elabscience**®

### Monkey aFP Antibody Pair Set

Catalog No.E-KAB-0653ApplicationsSynonymsAFP;FETA;HPAFP;Alpha-fetoglobulin;oralpha fetal protein

ELISA

#### Kit components & Storage

Title	Specifications	Storage
Monkey αFP Capture Antibody	1 vial, 100 µ g	Store at -20°C for one year. Avoid
		freeze/thaw cycles.
Monkey aFP Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20°C for one year. Avoid
		freeze/thaw cycles.

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

### **Product Information**

Items		Characteristic (E-KAB-0653)	
		Monkey aFP Capture Antibody	Monkey αFP Detection Antibody (Biotin)
Immunogen	Immunogen	Native Protein	Native Protein
Information	Swissprot	/	
Product details	Reactivity	Monkey	Monkey
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50%	PBS with 0.04% Proclin 300; 1%
		glycerol; pH 7.5	protective protein; 50% glycerol; pH
			7.5
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Monkey aFP in ELISAs.	

For Research Use Only

## **Elabscience**®

### Applications

Monkey aFP Sandwich ELISA Assay

	Recommended	Reagent	Images
	Concentration/Dilution		
ELISA	0.5-4 μg/mL	Monkey aFP Capture	
Capture		Antibody	10
			d Demsity
ELISA	1:1000-1:10000	Monkey aFP Detection	Optice
Detection		Antibody (Biotin)	
			0.1 1 10 100 1000 Monkey of P Concentration(ng/mL)

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.

### For Research Use Only