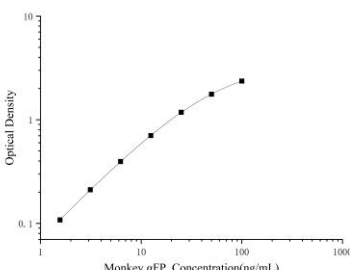


Applications

Monkey α FP Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μ g/mL	Monkey α FP Capture Antibody	
ELISA Detection	1:1000-1:10000	Monkey α FP 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 an 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.

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