10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-AFP Antibody (3B6G7)

Mouse Monoclonal Antibody
Catalog # ABV12086

Product Information

Application	E
Primary Accession	P02771
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1, κ
Clone Names	3B6G7
Calculated MW	68678

Additional Information

Gene ID	174
Positive Control	ELISA
Application & Usage	ELISA Capture: 1-10 □g/ml, ELISA Detection: 0.05-0.2 □g/ml
Other Names	Alpha-1-fetoprotein, Alpha-fetoglobulin, HPAFP, AFP, Alpha-fetoprotein
Target/Specificity	Alpha-Feto Protein
Antibody Form	Liquid
Appearance	Colorless liquid
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-AFP Antibody (3B6G7) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

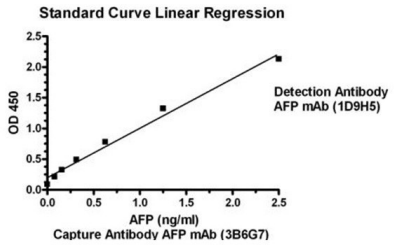
Name	AFP
Synonyms	HPAFP
Function	Binds copper, nickel, and fatty acids as well as, and bilirubin less well than, serum albumin. Only a small percentage (less than 2%) of the human AFP shows estrogen-binding properties.
Cellular Location	Secreted.

Tissue Location	Plasma. Synthesized by the fetal liver and yolk sac

Background

AFP (Alpha-Feto Protein) is a glycoprotein with molecular weight of approximately 70 kDa. It is a major protein in developing fetus and decreases to lower level after birth. In healthy adults, less than 20 ng/ml of AFP is found in the serum. Serum AFP elevates when hepatocellular carcinoma or testicular germ cell tumors occurs. Therefore, it is a useful marker in diagnosing hepatocellular carcinoma and germ cell tumors. In addition, for pregnant women, the AFP concentration is 10-150 ng/ml in the blood. High levels of AFP can indicate a neural tube defect of the fetus, such us spina bifida. AFP Antibody is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from mouse immunized with AFP protein purified from human hepatocellular carcinoma

Images



Antibody pairs analysis of AFP monoclonal antibodies by Sandwich ELISA