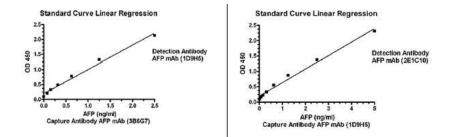
Anti-AFP Antibody (1D9H5)

CATALOG NO:	A1353-1000		
AMOUNT:	1 mg		
ALTRERNATE NAMES:	Alpha-1-fetoprotein, Alpha-fetoglobulin, HPAFP, AFP, Alpha- fetoprotein		
IMMUNOGEN:	AFP protein purified from human hepatocellular carcinoma		
CLONALITY:	Monoclonal		
CLONE:	1D9H5		
HOST/ISOTYPE:	Mouse IgG1, κ		
PURIFICATION:	Protein A purification		
FORM:	Liquid		
CONCENTRATION:	0.5 mg/ml		
FORMULATION:	In PBS buffer, pH 7.4, containing 0.02% sodium azide		
STORAGE CONDITIONS:	For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.		
SENSITIVITY:	The limit of detection for antibody pairs is < 20 pg/ml.		
SPECIFICITY:	AFP monoclonal antibodies (1D9H5, 2E1C10 and 3B6G7) recognize human AFP protein		
DESCRIPTION:	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		
APPLICATION:	These antibodies are perfect choice for in vitro diagnostic assay development. They are prepared for non-clinical research use only. The recommended pairs are based on our laboratory results. ELISA Capture: 1-10 µg/ml, ELISA Detection: 0.05-0.2 µg/ml		

	Capture		
Detection	A1353	A1354	A1355
	(1D9H5)	(2E1C10)	(3B6G7)
A1353			
(1D9H5)		-	+
A1354			
(2E1C10)	+		-
A1355			
(3B6G7)	-	-	

The above Data was achieved by Sandwich ELISA. '+' means reaction and '-'means no reaction. The number of '+' represents reaction intensity.



Antibody pairs analysis of AFP monoclonal antibodies by Sandwich ELISA

General conditions for sandwich ELISA:

- 1. Microplate was incubated with a capture antibody against AFP and blocked with PBS containing1% BSA, followed by 3 washing cycles.
- 2. Incubation with AFP protein followed by 3 washing cycles.
- 3. Incubation with Biotin labeled detection antibody against AFP, followed by 3 washing cycles
- 4. Incubation with Streptavidin-HRP, followed by 3 washing cycles.
- 5. Bound peroxidase activity was determined using Colorimetric detection.

RELATED PRODUCTS:

• Alpha-Fetoprotein (AFP) ELISA (Cat. No. K4242)

FOR RESEARCH USE ONLY! Not to be used on humans.

