

Anti-Alpha-fetoprotein (human, AFP)**Mouse monoclonal antibody**

Subclass: IgG1/k

CAT. NO.

HYB 097-04

Clone: 10B8

SPECIFICITY	HYB 097-04 is specific for human AFP.
IMMUNOGEN	Human alpha-fetoprotein isolated from amniotic fluid
TESTED APPLICATIONS	ELISA
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	Epitope belongs to group II

PRESENTATION

Content:	Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION	ELISA: $K_a=190$, determined as concentration of antibody giving half-maximal binding to hepatoma-AFP bound to solid phase (unit: 108 L/mol). HYB 097-04 reacts strongly with human AFP. A strong reaction is seen when tested in sandwich ELISA in combination with a polyclonal antibody against human AFP (eg. DAKO A0008).
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TARGET	Alpha-fetoprotein (AFP) is a serum protein produced by hepatocytes. AFP levels are used as a tumor marker for hepatomas and germ cell tumors, and the serum concentration has prognostic significance in other diseases. Levels of AFP is 0.6-9.3 kIU/L in blood from normal individuals under the age of 40. Concentrations raise with age and during pregnancy. AFP consists of one single polypeptide chain of 590 aminoacids with MW 65 kDa.
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REFERENCES**CONDITIONS**

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