

# AFP monoclonal antibody, clone D10

Catalog # MAB5322      Size 100 ug

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against native AFP.
<b>Immunogen</b>	Native AFP purified from serum of hepatoma patients.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Specificity</b>	D10 has been characterized in the ISOBM TD-2 workshop and assigned by K. Nustad to group D of a cluster of 6 major epitopes of human alpha fetoprotein. human alpha fetoprotein is an oncofetal protein of 70 kD. Its gene has been cloned and sequenced and its structure identified. AFP is expressed in fetal liver and is normally absent in healthy adult tissues. It is expressed in all yolk sac tumors, in some germ cell tumors and in hepatocellular carcinomas.
<b>Form</b>	Liquid
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.05% sodium azide)
<b>Storage Instruction</b>	Store at 4°C.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)

- Immunocytochemistry
- Enzyme-linked Immunoabsorbent Assay

## Gene Info — AFP

Entrez GeneID [174](#)

Gene Name AFP

Gene Alias FETA, HPAFP

Gene Description alpha-fetoprotein

Omim ID [104150](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and the liver during fetal life. Alpha-fetoprotein expression in adults is often associated with hepatoma or teratoma. However, hereditary persistence of alpha-fetoprotein may also be found in individuals with no obvious pathology. The protein is thought to be the fetal counterpart of serum albumin, and the alpha-fetoprotein and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4. Alpha-fetoprotein is found in monomeric as well as dimeric and trimeric forms, and binds copper, nickel, fatty acids and bilirubin. The level of alpha-fetoprotein in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly. [provided by RefSeq]

**Other Designations** OTTHUMP00000160480|alpha-1-fetoprotein|alpha-fetoglobulin

## Disease

- [Carcinoma](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)