

# Alpha-Fetoprotein (AFP) Mouse mAb

Catalog No.: A11865 **2 Publications**

## Basic Information

**Observed MW**

68kDa

**Calculated MW**

69kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IHC-P, IF/ICC

**Cross-Reactivity**

Human

**CloneNo number**

AMC0029

## Background

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 hepatocarcinoma and with teratoma, and has prognostic value for managing advanced gastric cancer. 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.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

**Gene ID**

174

**Swiss Prot**

P02771

**Immunogen**

Recombinant protein of human Alpha-Fetoprotein (Alpha-Fetoprotein (AFP))

**Synonyms**

AFPD; FETA; HPAFP; Alpha-Fetoprotein (AFP)

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Mouse

**Isotype**

IgG2b,Kappa

**Purification**

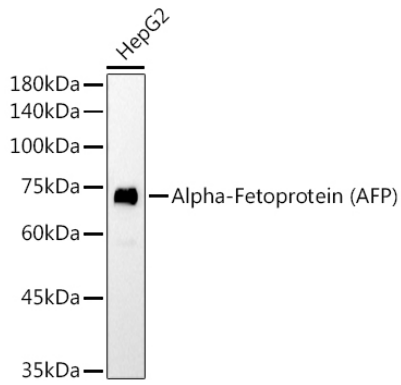
Affinity purification

**Storage**

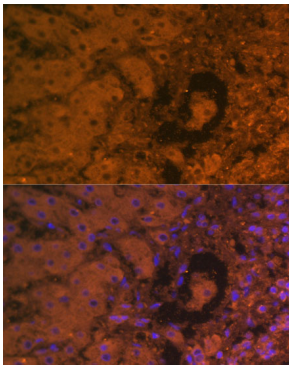
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

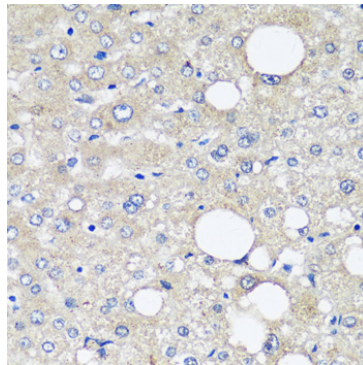
## Validation Data



Western blot analysis of lysates from HepG2 cells, using Alpha-Fetoprotein (AFP) Mouse mAb (A11865) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.



Immunofluorescence analysis of paraffin-embedded human liver cancer using Alpha-Fetoprotein (AFP) Mouse mAb (A11865) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded human liver cancer using Alpha-Fetoprotein (AFP) Mouse mAb (A11865) at dilution of 1:12.5 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.