Alpha-Fetoprotein (AFP) Mouse mAb

Catalog NO.: A17898 5 Publications

Basic Information

Observed MW
69 kDa

Calculated MW
69 kDa

Category
Monoclonal Antibodies

Applications
WB, IF/ICC, ELISA

Cross-Reactivity
Human, Mouse

Clone number
AMC0201

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 persistance 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

WB	1:1000 - 1:4000
IF/ICC	1:100 - 1:400

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
174

Swiss Prot
P02771

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

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

Contact

Product Information

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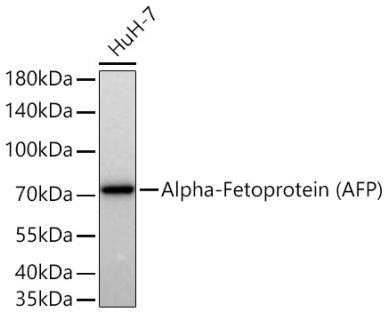
Source
Mouse

Isotype
IgG1,Kappa

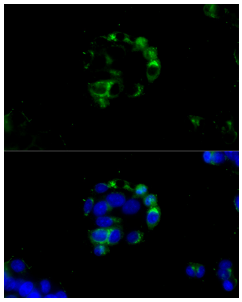
Purification
Affinity purification

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 HuH-7 cells using Alpha-Fetoprotein (AFP) Mouse mAb (A17898) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10 s.



Immunofluorescence analysis of HepG2 cells using Alpha-Fetoprotein (AFP) Mouse mAb (A17898) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

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