

## Anti-AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Monoclonal Antibody

Catalog Number: M00522

### About AFP

This monoclonal antibody recognizes an oncofetal glycoprotein with a single chain of 70kDa, which is identified as alpha fetoprotein (AFP). This monoclonal antibody is highly specific to AFP and shows no cross-reaction with other oncofetal antigens or serum albumin. AFP is normally synthesized in the liver, intestinal tract, and yolk sac of the fetus. Antibody to AFP has been shown to be useful in detecting hepatocellular carcinomas (HCC) and germ cell neoplasms, especially yolk sac tumors.

### Overview

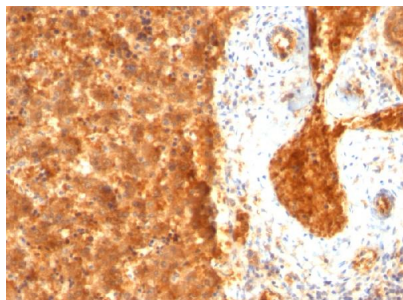
Product Name	Anti-AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Monoclonal Antibody
Reactive Species	Dog, Human, Monkey, Pig
Description	Boster Bio Anti-AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Monoclonal Antibody (Catalog # M00522). Tested in Flow Cytometry, IF, IHC applications. This antibody reacts with Human, Monkey, Dog, Pig.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC
Clonality	Monoclonal Clone: SPM334
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	P02771

### Technical Details

Immunogen	Alpha feto protein (AFP) Purified from serum of a hepatoma patient
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG2a, kappa
Form	Liquid

Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Flow Cytometry (1-2ug/million cells)</p> <p>Immunofluorescence (1-2ug/ml)</p> <p>Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&amp;degC followed by cooling at RT for 20 minutes)</p> <p>Optimal dilution for a specific application should be determined.</p>

## Anti-AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Monoclonal Antibody (M00522) Images



Formalin-fixed, paraffin-embedded human Fetal Liver stained with Anti-AFP Monoclonal Antibody (SPM334).

## 6 Publications Citing This Product

1. PubMed ID: 26235702, Adipose tissue-derived mesenchymal stem cells differentiated into hepatocyte-like cells in vivo and in vitro
2. PubMed ID: 25576343, Extracellular regulated protein kinases 1/2 phosphorylation is required for hepatic differentiation of human umbilical cord-derived mesenchymal stem cells
3. PubMed ID: 29246405, Selective tropism of liver stem cells to hepatocellular carcinoma in vivo.

Visit [bosterbio.com/anti-afp-alpha-fetoprotein-hepatocellular-germ-cell-tumor-marker-antibody-m00522-boster.html](http://bosterbio.com/anti-afp-alpha-fetoprotein-hepatocellular-germ-cell-tumor-marker-antibody-m00522-boster.html) to see all 6 publications.

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Monoclonal Antibody