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

Mouse Monoclonal Antibody [Clone C2 + C3 + MBS-12]

Catalog No	Format	Size
174-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
174-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
174-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

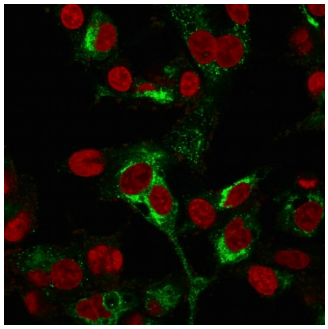
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

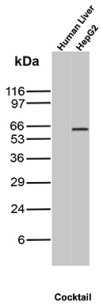
Clone	C2 + C3 + MBS-12
Gene Name	AFP
Immunogen	Recombinant full-length human Alpha feto protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	70kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	HepG2 cells. Fetal liver or hepatocellular carcinoma.

**Optimal dilution for a specific application should be determined.*

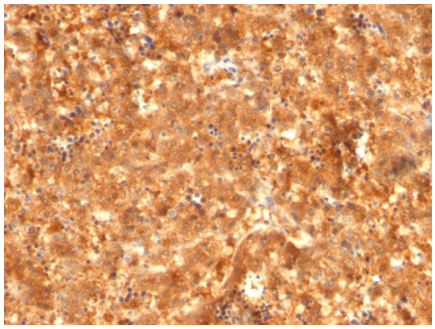
Product Images for AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody



Immunofluorescence Analysis of PFA-fixed HepG2 cells labeling AFP using AFP Mouse Monoclonal Antibody (C2 + C3 + MBS-12) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Redot.



Western blot analysis of Human Liver and Hep G2 lysates using AFP Mouse Monoclonal Antibody (C2 + C3 + MBS-12).



Formalin-fixed, paraffin-embedded human Fetal Liver stained with AFP Mouse Monoclonal Antibody (C2 + C3 + MBS-12).

Specificity & Comments

It recognizes an oncofetal glycoprotein with a single chain of 70kDa, which is identified as alpha fetoprotein (AFP). This MAb 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.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.

Research Areas

Cardiovascular, Stem Cell Differentiation

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.