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

Mouse Monoclonal Antibody [Clone C3]

Catalog No	Format	Size
174-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
174-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
174-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

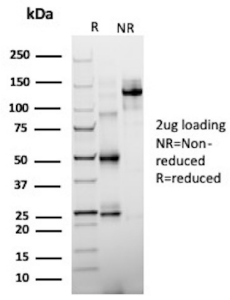
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

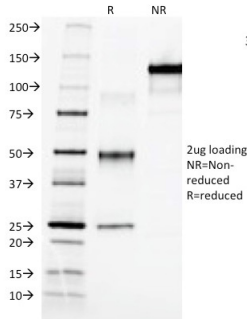
Clone	C3
Gene Name	AFP
Immunogen	Alpha feto protein (AFP) Purified from serum of a hepatoma patient
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	70kDa
Cellular Localization	Secreted
Species Reactivity	Dog, Human, Monkey, Pig
Positive Control	Hep-G2 cells. Fetal liver or hepatocellular carcinoma.

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

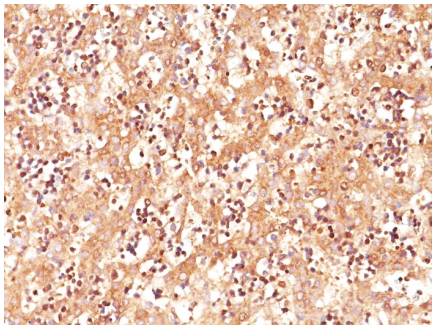
Product Images for AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody



SDS-PAGE Analysis of Purified Alpha-fetoprotein / AFP Mouse Monoclonal Antibody (C3). Confirmation of Purity and Integrity of Antibody.



SDS-PAGE Analysis of Purified AFP Mouse Monoclonal Antibody (C3). Confirmation of Integrity and Purity of Antibody.



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

Specificity & Comments

It recognizes an oncofetal glycoprotein with a single chain of 70kDa, which is identified as alpha-fetoprotein (AFP) (ISOBM TD-2 workshop). 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, Developmental Biology, 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.