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

Mouse Monoclonal Antibody [Clone MBS-12]

Catalog No	Format	Size
174-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
174-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
174-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

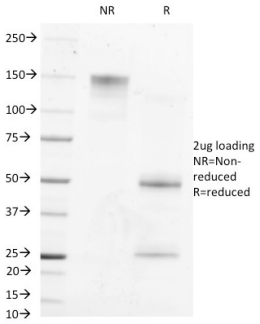
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling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

Product Details

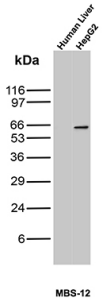
Clone	MBS-12
Gene Name	AFP
Immunogen	Human Alpha feto protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	70kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Hep G2 cells. Fetal liver or hepatocellular carcinoma.

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

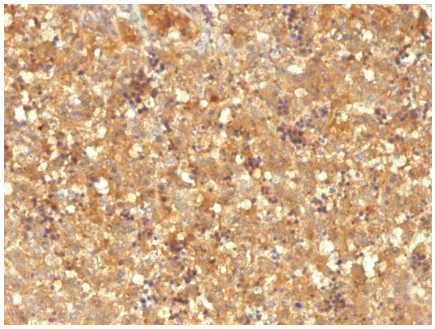
Product Images for AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody



SDS-PAGE Analysis of Purified AFP Mouse Monoclonal Antibody (MBS-12). Confirmation of Integrity and Purity of Antibody.



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



Formalin-fixed, paraffin-embedded human Fetal Liver stained with AFP Mouse Monoclonal Antibody (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. The yolk sac and the liver produce AFP during fetal life. AFP expression in adults is often associated with hepatoma or teratoma. 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 AFP and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4. AFP is found in monomeric as well as dimeric and trimeric forms, and binds copper, nickel, fatty acids and bilirubin. The level of AFP in amniotic fluid is used to measure renal loss of protein to screen for spinal bifida and anencephaly.

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.