

# Product Datasheet

## alpha-Fetoprotein/AFP Antibody (C2 + C3 + MBS-12) NBP2-45011-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-45011-0.1mg**

alpha-Fetoprotein/AFP Antibody (C2 + C3 + MBS-12)

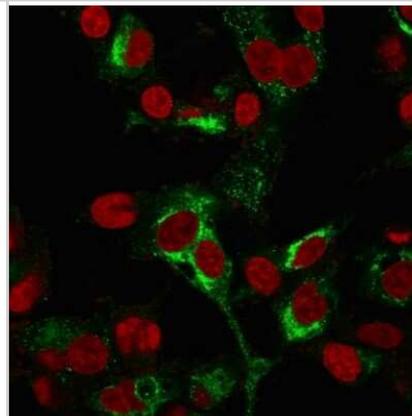
Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	C2 + C3 + MBS-12
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	70 kDa

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-48013)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	174
Gene Symbol	AFP
Species	Human
Marker	Hepatocellular/Germ Cell Tumor Marker
Specificity/Sensitivity	It 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.
Immunogen	Recombinant full-length human alpha-Fetoprotein/AFP protein (Uniprot: P02771)

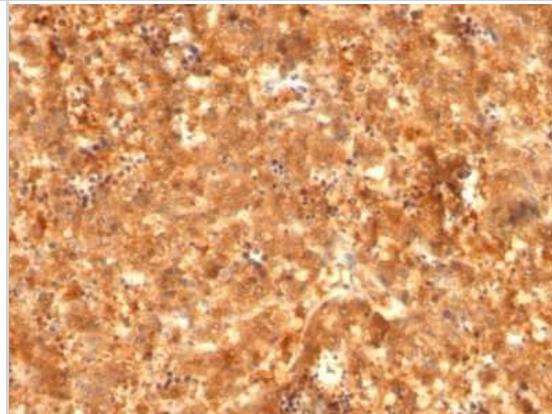
Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	Immunohistochemistry (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 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

## Images

Immunocytochemistry/Immunofluorescence: alpha-Fetoprotein/AFP Antibody (C2 + C3 + MBS-12) [NBP2-45011] - Immunofluorescence Analysis of PFA-fixed HepG2 cells labeling AFP using alpha-Fetoprotein/AFP Antibody (C2 + C3 + MBS-12) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot.



Immunohistochemistry-Paraffin: alpha-Fetoprotein/AFP Antibody (C2 + C3 + MBS-12) [NBP2-45011] - Human Fetal Liver stained with AFP Monoclonal Antibody (C2 + C3 + MBS-12).





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### **Products Related to NBP2-45011-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-52171-0.05mg	Recombinant Human alpha-Fetoprotein/AFP His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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