

Product Datasheet

alpha-Fetoprotein/AFP Antibody (MBS-12) NBP2-45013-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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Updated 10/23/2024 v.20.1

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NBP2-45013-0.1mg

alpha-Fetoprotein/AFP Antibody (MBS-12)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	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. (NBP2-48015) 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. 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.
Immunogen	Human Alpha feto protein (Uniprot: P02771)

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
Recommended Dilutions	Flow Cytometry 0.5-1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Immunofluorescence 0.5 - 1.0 ug/ml

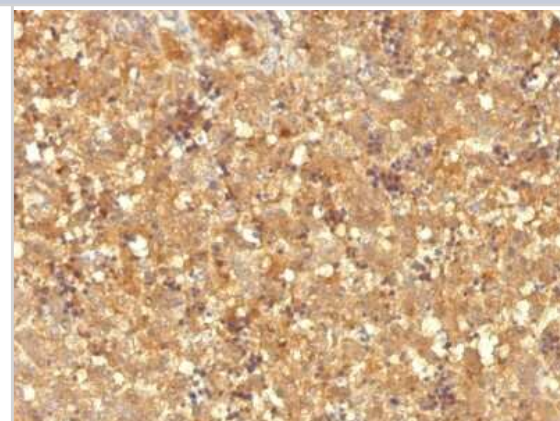


Application Notes

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

Immunohistochemistry-Paraffin: alpha-Fetoprotein/AFP Antibody (MBS-12) [NBP2-45013] - Human Fetal Liver stained with AFP Monoclonal Antibody (MBS-12).





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Products Related to NBP2-45013-0.1mg

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

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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