

# Product Datasheet

## alpha-Fetoprotein/AFP Antibody (AFP/7007R) [Janelia Fluor® 635] NBP3-14053JF635

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-14053JF635**

alpha-Fetoprotein/AFP Antibody (AFP/7007R) [Janelia Fluor® 635]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	AFP/7007R
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG Kappa
<b>Conjugate</b>	Janelia Fluor 635
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	174
<b>Gene Symbol</b>	AFP
<b>Species</b>	Human
<b>Marker</b>	Hepatocellular/Germ Cell Tumor Marker
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	Recombinant human full-length alpha-Fetoprotein/AFP protein (Uniprot: P02771 )
<b>Notes</b>	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry-Paraffin
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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