

# AFP Monoclonal Antibody (6E6)

Catalog NumberMA5-15562

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Mouse / IgG2b	Tested Applications	
Class	Monoclonal	ELISA (ELISA)	1:10,000
Type	Antibody	Western Blot (WB)	1:500-1:2,000
Clone	6E6	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Purified recombinant fragment of human AFP expressed in E. Coli.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1.0 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

## Product specific information

MA5-15562 targets AFP in WB applications and shows reactivity with Human samples. The MA5-15562 immunogen is purified recombinant fragment of human AFP expressed in E. Coli. MA5-15562 detects AFP which has a predicted molecular weight of approximately 69kDa.

## Background/Target Information

AFP (Alpha Fetoprotein) is a major plasma protein produced by the yolk sac, intestinal tract and the liver during fetal life. AFP expression in adults is often associated with hepatoma or teratoma. However, hereditary persistence of AFP may also be found in individuals with no obvious pathology. The protein is thought to be the fetal counterpart of serum albumin, and AFP and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4. AFP is found in monomeric, dimeric, and trimeric forms. AFP can also bind to copper ions, nickel ions, fatty acids and bilirubin. The level of AFP in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly. High level of serum AFP has been identified in patients with hepatocellular carcinomas (HCC), teratoblastoma, colorectal cancer, pancreatic cancer, and germ cell neoplasms.

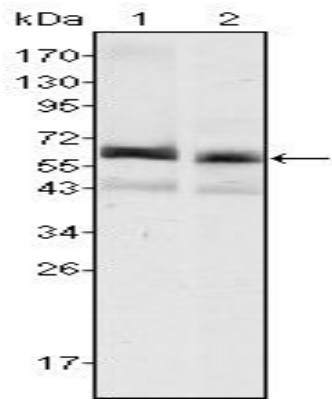
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Product Images For AFP Monoclonal Antibody (6E6)



**AFP Antibody (MA5-15562) in WB**  
Western blot analysis of AFP using AFP monoclonal antibody (Product # MA5-15562) in HepG2 (1) and SMMC-7721 (2) cell lysate.

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