

# alpha-Fetoprotein Monoclonal Antibody (1E8), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	1E8
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2572812

Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	20 µg/mL	-
Immunocytochemistry (ICC/IF)	Assay-Dependent	-

## Product Specific Information

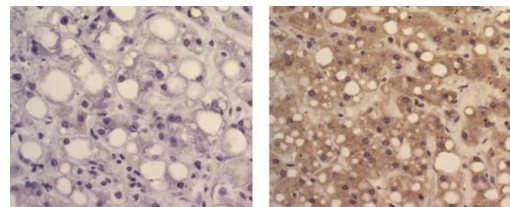
**Description:** This 1E8 monoclonal antibody reacts with human alpha-fetoprotein (AFP). This 70-kDa secretory protein is a member of the albumin gene family. Synthesized by the yolk sac and fetal liver during embryogenesis, AFP protein levels are highest in fetal serum. After birth, serum AFP levels decrease dramatically. In fact, AFP is nearly undetectable in normal adult serum. However, hepatocellular carcinoma and germ cell teratoblastoma, as well as liver regeneration, viral hepatitis, and cirrhosis, leads to elevated AFP serum levels in adults. As such, detection of this protein is frequently used as a diagnostic marker for these conditions.

**Applications Reported:** This 1E8 antibody has been reported for use in microscopy, immunohistochemical staining, and immunocytochemistry.

**Applications Tested:** This 1E8 antibody has been tested by immunohistochemistry on formalin-fixed paraffin embedded tissue using high pH antigen retrieval at 20 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Filtration:** 0.2 µm post-manufacturing filtered.

Product Images For alpha-Fetoprotein Monoclonal Antibody (1E8), Biotin, eBioscience™



**alpha-Fetoprotein Antibody (13-9499-82) in IHC (P)**  
Immunohistochemistry of formalin-fixed paraffin embedded human liver stained with 20 µg/mL Mouse IgG1 K Isotype Control Biotin (left) or 20 µg/mL Anti-Human alpha-Fetoprotein Biotin (right) followed by streptavidin HRP and DAB visualization. Nuclei are counterstained with hematoxylin.

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