



Technical Data Sheet

Product	Anti-alpha-Fetoprotein Biotin	
Cat. Number/Size	1B-259-C100	0.1 mg
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	alpha-Fetoprotein	
Clone	AFP-01	
Format	Biotin	
Reactivity	Human	
Application	WB, ICC, ELISA, IP	
Application details	ELISA: The antibody AFP-01 has been tested as the detection antibody in a sandwich ELISA for analysis of human alpha-fetoprotein in combination with antibody AFP-11 (cat. no. 11-384-C100). Western blotting: Recommended dilution: 1-2 µg/ml; non-reducing conditions. Immunoprecipitation: Interaction of the antibody AFP-01 with AFP is dependent on the presence of calcium ions (strongly inhibited by chelating agents). Such characteristics of the antibody can be exploited for immunoaffinity purification of APF under mild elution conditions.	
Isotype	Mouse IgG1	
Specificity	The mouse monoclonal antibody AFP-01 reacts with human alpha-Fetoprotein (AFP), a 70 kDa oncofetal antigen. AFP is a major fetal plasma protein, but is not present in healthy adult tissues. Elevated AFP concentrations in adult plasma may be an early marker of hepatocellular carcinoma or teratoblastoma, while high concentrations in amniotic fluid may indicate severe congenital defects of a fetus.	
Other names	AFP, FETA, HPAFP	
Immunogen	purified alpha-Fetoprotein	
Entrez Gene ID	174	
Gene name	AFP	
NCBI Full Gene Name	alpha fetoprotein	
UniProt ID	P02771	
Concentration	1 mg/ml	
Preparation	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.	
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide	
Storage and handling	Store at 2-8°C. Do not freeze.	
Images and References	www.exbio.cz	

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