

Monoclonal Antibody to Alpha-fetoprotein (AFP) - Purified

Alternate names:	Alpha-1-fetoprotein, Alpha-fetoglobulin, HPAFP
Catalog No.:	SM3090P
Quantity:	0.1 mg
Concentration:	1,0 mg/ml
Background:	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.
Uniprot ID:	P02771
NCBI:	NP_001125.1
GeneID:	174
Host / Isotype:	Mouse / IgG1
Clone:	AFP-11
Immunogen:	Purified alpha-Fetoprotein
Format:	State: Liquid purified immunoglobulin fraction Purification: Precipitation methods (purity > 95% by SDS-PAGE) Buffer System: PBS, pH 7.4 containing 15 mM sodium azide as preservative
Applications:	Immunohistochemistry on paraffin sections: 10 µg/ml; Application note: heat mediated antigen retrieval (sodium citrate buffer); mAb incubation 1 hour / RT; detection DAB. <i>Positive control:</i> hepatocellular carcinoma. ELISA: The antibody AFP-11 has been tested as the capture antibody in a sandwich ELISA for analysis of human alpha-Fetoprotein in combination with antibody clone AFP-01 (cat. no. SM3089P/PX). RadiolImmunoAssay. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody detects Alpha-Fetoprotein (AFP), an oncofetal antigen of 70 kDa. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	Stefanova I, Horejsi V, Kristofova H, Angelisova P, Zizkovsky V, Hilgert I.: Monoclonal antibodies against human alpha-fetoprotein. Exploitation of an unusual

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

calcium-dependent interaction with the antigen for analytical and preparative purposes.
J Immunol Methods. 1988 Jun 28;111(1):67-73.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com