



Mouse Anti-Human Alpha-fetoprotein monoclonal antibody, clone NN44 (CABT-ZB816)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human Alpha-fetoprotein
Target	AFP
Immunogen	Recombinant Human AFP/alpha-fetoprotein Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN44
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB816 - CABT-ZB1106 This antibody will detect Alpha-fetoprotein in antibody pair set. [ABPR-ZB397]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human AFP / alpha-fetoprotein. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid

Concentration	Lot specific
Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Alpha-fetoprotein (AFP) is classified as a member of the albuminoid gene superfamily consisting of albumin, AFP, vitamin D (Gc) protein, and alpha-albumin. AFP is a glycoprotein of 591 amino acids and a carbohydrate moiety. AFP is one of the several embryo-specific proteins and is a dominant serum protein as early in human embryonic life as one month, when albumin and transferrin are present in relatively small amounts. It is first synthesized in the human by the yolk sac and liver(1-2 months) and subsequently predominantly in the liver. A small amount of AFP is produced by the GI tract of the human conceptus. It has been proved that AFP may reappear in the serum in elevated amounts in adult life in association with normal restorative processes and with malignant growth. Alpha-fetoprotein (AFP) is a specific marker for hepatocellular carcinoma (HCC), teratoblastomas, and neural tube defect (NTD).
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Keywords	AFP; alpha-fetoprotein; FETA; HPAFP
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GENE INFORMATION

Synonyms	AFP; alpha-fetoprotein; FETA; HPAFP; OTTHUMP00000160480; OTTHUMP00000220440; alpha-fetoglobulin; alpha-1-fetoprotein
Entrez Gene ID	174
UniProt ID	B2RBU3