

AFP Conjugated Antibody

Catalog No: #C32006



Package Size: #C32006-AF350 100ul #C32006-AF405 100ul #C32006-AF488 100ul
 #C32006-AF555 100ul #C32006-AF594 100ul #C32006-AF647 100ul
 #C32006-AF680 100ul #C32006-AF750 100ul #C32006-Biotin 100ul

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Description

Product Name	AFP Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total AFP protein.
Immunogen Description	A synthetic peptide of human AFP .
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	AFP;FETA;Alphafetoglobulin;alphafetoprotein;Alpha1fetoprotein
Accession No.	Swiss-Prot#:P02771NCBI Gene ID:174
Uniprot	P02771
GeneID	174;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	65
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

Antibodies were purified by affinity purification using immunogen.

Background

Alpha-fetoprotein (AFP) is a 65 kDa glycoprotein found in the serum of the mammalian fetal liver, yolk sac, and GI tract. While AFP expression in adult cells is low, it is aberrantly expressed in adult liver cancer cells (1,2). The tumor suppressor gene p53 and β -catenin are both involved in the regulation of AFP expression. In normal adult cells, p53 binds to the repressor region of the AFP gene, thereby blocking transcription. Mutations in both p53 and β -catenin are associated with aberrant expression of AFP. Elevated serum levels are predictive of hepatocellular carcinoma (3).

Note: This product is for in vitro research use only