Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human AFP mAb

Catalog No.: RM18023

Basic Information

Catalog No.
RM18023

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2μm filtered solution in PBS with 0.05% Proclin300, PH 7.4.

Contact

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Background

This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and the liver during fetal life. Alpha-fetoprotein expression in adults is often associated with hepatocarcinoma and with teratoma, and has prognostic value for managing advanced gastric cancer. However, hereditary persistance of alpha-fetoprotein may also be found in individuals with no obvious pathology. The protein is thought to be the fetal counterpart of serum albumin, and the alpha-fetoprotein and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4. Alpha-fetoprotein is found in monomeric as well as dimeric and trimeric forms, and binds copper, nickel, fatty acids and bilirubin. The level of alpha-fetoprotein in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly.

Immunogen Information

Immunogen
Recombinant Human AFP Protein

Cross-Reactivity

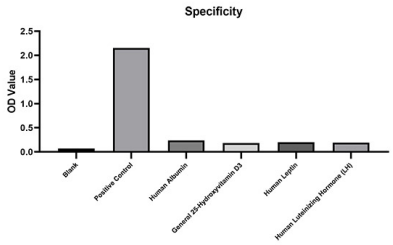
No cross-reactivity in ELISA with recombinant
Human Albumin□General 25-Hydroxyvitamin D3□Human Leptin □Human Luteinizing Hormone (LH)

Assay Applications

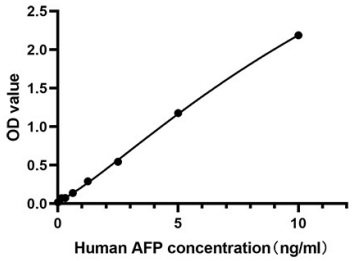
Human AFP Sandwich ELISA

		Recommended Concentration	Sample
ELISA	Capture	0.5-2ug/mL	Rabbit anti-Human AFP mAb(Cat. No.RM18023)
	Detection	0.0083-0.0332ug/mL	Rabbit anti-Human AFP mAb(Cat. No.RM18024)
	Standard	0.15-10ng/mL	Recombinant Human Alpha-fetoprotein/AFP Protein

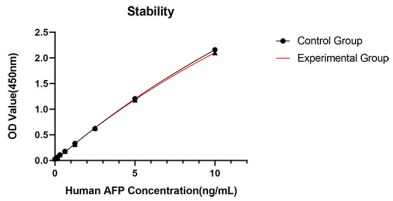
Validation Data



Placed at 37°C for 3 days, the stability of the standard curve all conformto CV <10%.



This standard curve is only for demonstration purposes. A standard curve should be generated for eachassay.



No significant cross-reactivity or interference was observed.