Leader in Biomolecular Solutions for Life Science

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# Rabbit anti-Human AFP mAb

**Catalog No.: RM18024**

## Basic Information

**Catalog No.**
RM18024

**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

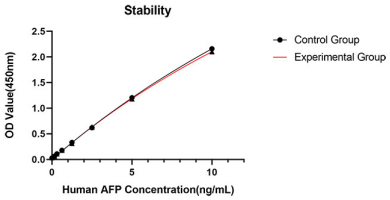
No cross-reactivity in ELISA with recombinant
Human Albumin□General 25-Hydroxyvitamin D3□Human Leptin □Human Luteinizing Hormone (LH)

## Assay Applications

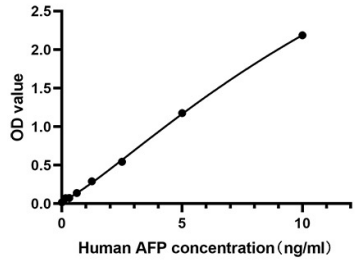
Human AFP Sandwich ELISA

| | | 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 |

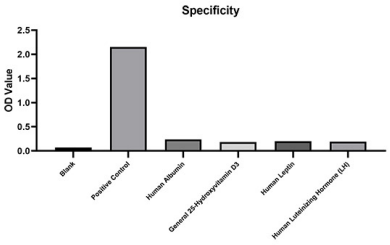
## Validation Data




No significant cross-reactivity or interference was observed.




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




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