

## Product datasheet for **AM09236HR-N**

### alpha 1 Fetoprotein (AFP) Mouse Monoclonal Antibody [Clone ID: AFP-Y2]

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Clone Name:           | AFP-Y2  |
| Applications:         | ELISA   |
| Recommended Dilution: | <b>ELISA:</b> In combination with capture antibody Clone AFP-Y1 (Cat.-No AM09237PU-N), this HRP conjugated antibody can be used as tracer antibody in sandwich ELISA assay for Human AFP detection. |
| Reactivity:           | Human   |
| Host:                 | Mouse   |
| Isotype:              | IgG1  |
| Clonality:            | Monoclonal  |
| Immunogen:            | Human AFP, which was isolated from amniotic fluid and purified by affinity chromatography.  |
| Specificity:          | This AFP-Y2 antibody react with AFP. No detectable cross reaction with Human normal serum proteins.   |
| Formulation:          | 0.01M PBS, pH 7.2 with 50% Glycerol<br>Label: HRP<br>State: Liquid purified IgG fraction  |
| Purification:         | Affinity Chromatography on Protein G  |
| Conjugation:          | HRP   |
| Storage:              | Upon receipt, store (in aliquots) at -20°C.<br>Avoid repeated freezing and thawing.   |
| Stability:            | Shelf life: one year from despatch.   |
| Gene Name:            | alpha fetoprotein   |
| Database Link:        | <a href="#">Entrez Gene 174 Human P02771</a>  |



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**Background:**

Alpha-fetoprotein is a major plasma protein produced by the yolk sac and the liver during fetal life. alpha Fetoprotein expression in adults is often associated with hepatoma or teratoma. However, hereditary persistence 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.

**Synonyms:**

Alpha-1-fetoprotein, Alpha-fetoglobulin, HPAFP

**Protein Families:**

Druggable Genome, Secreted Protein