

**alpha-Fetoprotein. Mouse Monoclonal Antibody**  
AFP

**BACKGROUND**

Alpha-Feto Protein (AFP) is a protein produced by the fetus, which is excreted into the amniotic fluid and into the mother's bloodstream through the placenta. The amount of AFP, both in the maternal's blood and in the amniotic fluid, at particular periods during the pregnancy, may be associated with the presence of neural tube defects or chromosomal problems in the baby. AFP synthesis occurs in tissues including the gut, liver and fetal yolk sac. AFP expression may be seen in germ cell neoplasma and in liver carcinoma.

**ORDERING INFORMATION**

**CATALOG NUMBER**

X1841M

**SIZE**

100 µg

**FORM**

Unconjugated

**HOST/CLONE**

Mouse Clone C3

**FORMULATION**

Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**

See vial for concentration

**ISOTYPE**

IgG2a

**APPLICATIONS**

Immunohistochemistry

**SPECIES REACTIVITY**

Human, Dog, Pig

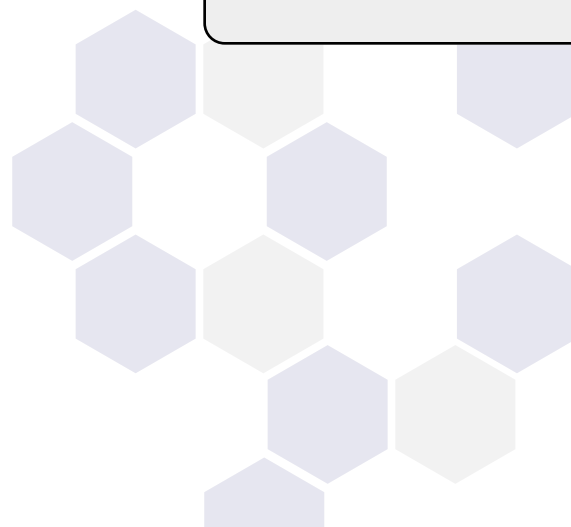
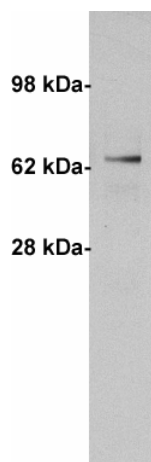
**ACCESSION NUMBER**

Human	P02771
Canine	Q8MJU5
Swine	Q8MJ76

**IMMUNOGEN**

Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with purified human alpha-fetoprotein and mouse myeloma cells.

Western blot using Exalpha's X1841M anti AFp monoclonal antibody at 4 ug/ml on HepG2 cell lysate (10 ug/lane). Anti-Mouse HRP was used at 1:75k. Blots were developed using Pierce's Super Signal West Femto. Exposure was 1 2 minutes.



**POSITIVE CONTROL/TISSUE EXPRESSION**

HepG2 cells

**COMMENTS**

Antibody can be used for immunohistochemistry on formalin-fixed, paraffin embedded tissues (1-5 µg/ml). Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

Protein A/G Chromatography

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

1. Yazova AK; et al. 'Human alpha-fetoprotein epitopes as revealed by monoclonal antibodies.' Immunology Letters, 1990 Sep, 25(4):325-30.
2. Sato, Y., et al. 'Human mesenchymal stem cells xenografted directly to rat liver are differentiated into human hepatocytes without fusion.' Blood, 106, 756-763 (2005).

**PRODUCT SPECIFIC REFERENCES**