

## 10-6532: Mouse Monoclonal Antibody to AFP (N-term)(Clone: 143CT50.11.8)(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	143CT50.11.8
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	AFP
<b>Gene ID :</b>	174
<b>Uniprot ID :</b>	P02771
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Alpha-fetoprotein, Alpha-1-fetoprotein, Alpha-fetoglobulin, AFP, HPAFP
<b>Isotype :</b>	Mouse IgM
<b>Immunogen Information :</b>	Synthetic Peptide

### Description

alpha 1 Fetoprotein 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 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.

### Product Info

<b>Amount :</b>	80 µl / 400 µl
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
<b>Storage condition :</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots to prevent freeze-thaw cycles.

### Application Note

WB~1:100~1000

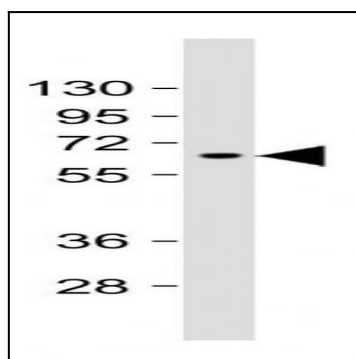


Figure 1: Anti- AFP antibody (10-6532) at 1:1000 dilution + HepG2 whole cell lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 69 kDa.

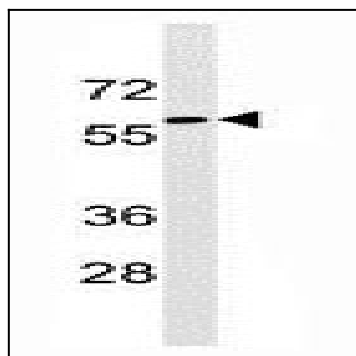


Figure 2: Western blot analysis of alpha 1 Fetoprotein Monoclonal Antibody (10-6532) in MCF-7 cell line lysates (35 $\mu$ g/lane). This demonstrates the alpha 1 Fetoprotein antibody detected the alpha 1 Fetoprotein protein (arrow). (16 $\mu$ g/ml)