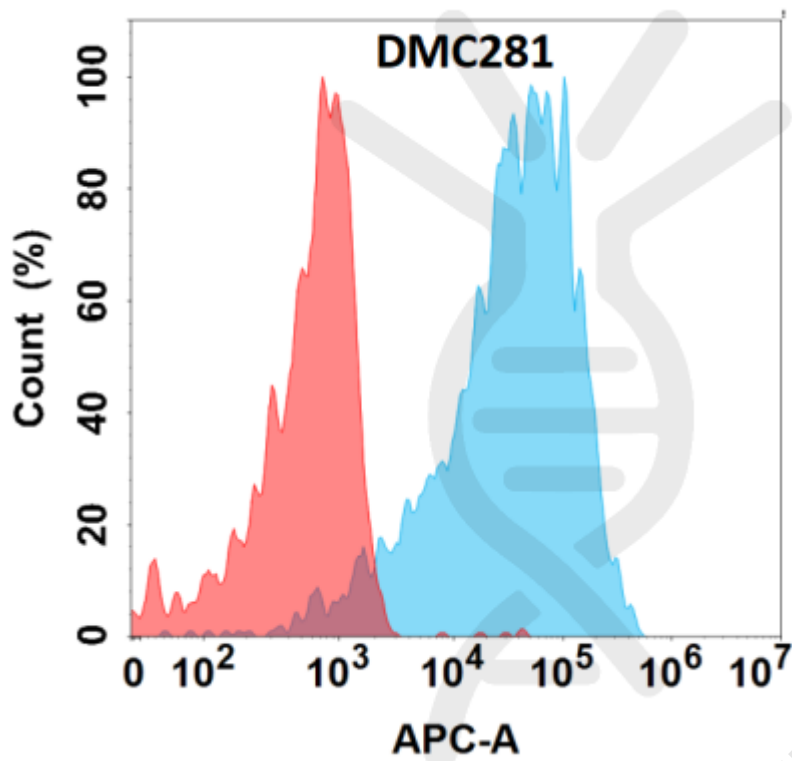


**PRODUCT INFORMATION**

|   |  |
|---|--|
| <b>Clone ID</b>                         | DMC281   |
| <b>Target</b>                           | AFP  |
| <b>Synonyms</b>                         | AFPD; FETA; HPAFP  |
| <b>Host Species</b>                     | Rabbit   |
| <b>Description</b>                      | Anti-AFP antibody(DMC281); IgG1 Chimeric mAb   |
| <b>Delivery</b>                         | In Stock   |
| <b>Uniprot ID</b>                       | P02771   |
| <b>IgG type</b>                         | Rabbit/Human Fc chimeric IgG1  |
| <b>Clonality</b>                        | Monoclonal   |
| <b>Reactivity</b>                       | Human  |
| <b>Applications</b>                     | Flow Cyt   |
| <b>Recommended Dilutions</b>            | Flow Cyt 1:100   |
| <b>Purification</b>                     | Purified from cell culture supernatant by affinity chromatography  |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.   |
| <b>Storage &amp; Shipping</b>           | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.  |
| <b>Background</b>                       | 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 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. |
| <b>Usage</b>                            | Research use only  |





**Figure 1.** Flow cytometry analysis with Anti-AFP (DMC281) on Expi293 cells transfected with human AFP (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

