



HRP Conjugated Mouse Anti-Human Alpha Fetoprotein Monoclonal Antibody Datasheet

Product Name: HRP conjugated mAb anti-Human Alpha Fetoprotein

Clone No.: AFP-Y2

Catalogue No.: MO-T40007T

Quantity: 0.2 mL/vial

Description: Horseradish peroxidase (HRP) conjugated mouse monoclonal antibody to human alpha fetoprotein (AFP)

Purification: Protein G affinity purified

Product Type: **Tracer** antibody in matched antibody pair, HRP conjugate

Target Protein: Human AFP

Immunogen: Human AFP, which was isolated from amniotic fluid and purified by affinity chromatography.

Fusion Myeloma: Sp2/0-Ag14

Specificity: React with AFP. No detectable cross-reaction with human normal serum proteins.

Reactivity: Human, others not tested

Host / Isotype: Mouse, IgG1 Kappa

Storage Buffer Formulation: Mixture of 50% glycerol and 50% PH7.2

0.01M PBS. Final PH = 7.0 ± 0.1.

Storage: Store at -20°C

Research Area: Oncology

Background: Alpha fetoprotein (AFP) is a 70KD glycoprotein which is produced primarily by liver cells in foetuses. It exists in significant amount in foetal plasma and decreases rapidly after birth. Moderate amount of AFP exists in serum of pregnant women. Monitoring mother's serum AFP level in second trimester pregnancy can help assessing birth defects such as Down syndrome, neural tube defect and anencephaly. Elevated AFP level in men, children and non-pregnant women is associated with neoplastic conditions in liver, testicle or ovary.

Applications: **ELISA:** In combination with capture antibody mAb AFP-Y1 (Cat. No.: MO-T40007B), this HRP conjugated antibody can be used as tracer antibody in sandwich ELISA assay for human AFP detection

References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

Manufactured by ANOGEN - A Division of YES Biotech Laboratories Ltd.