Supplemental Information

Establishment and characterization of a fucosylated α-fetoprotein-specific monoclonal antibody: a potential application for clinical research

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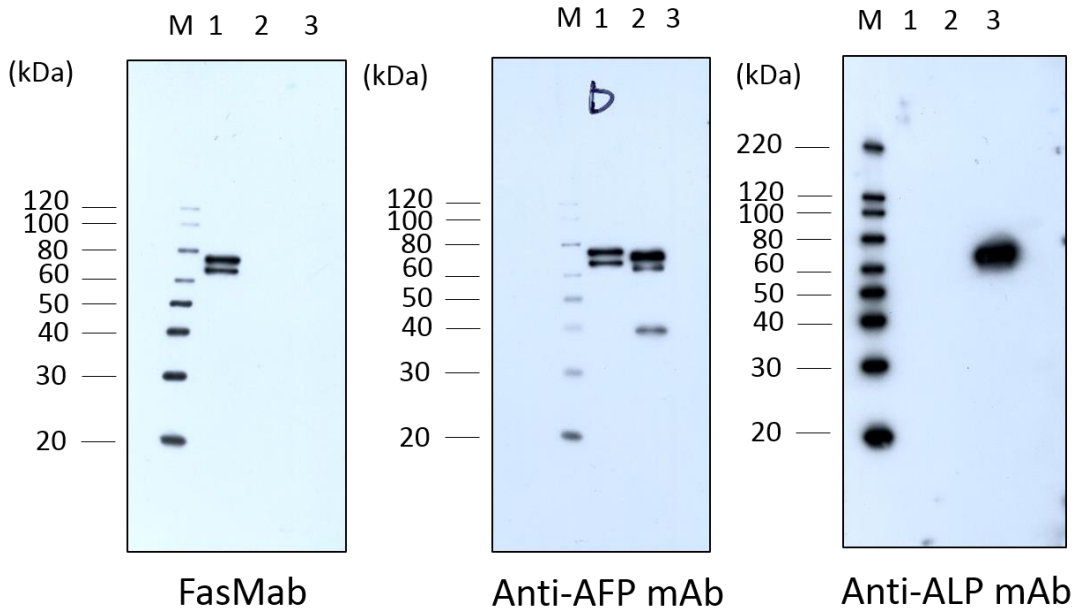
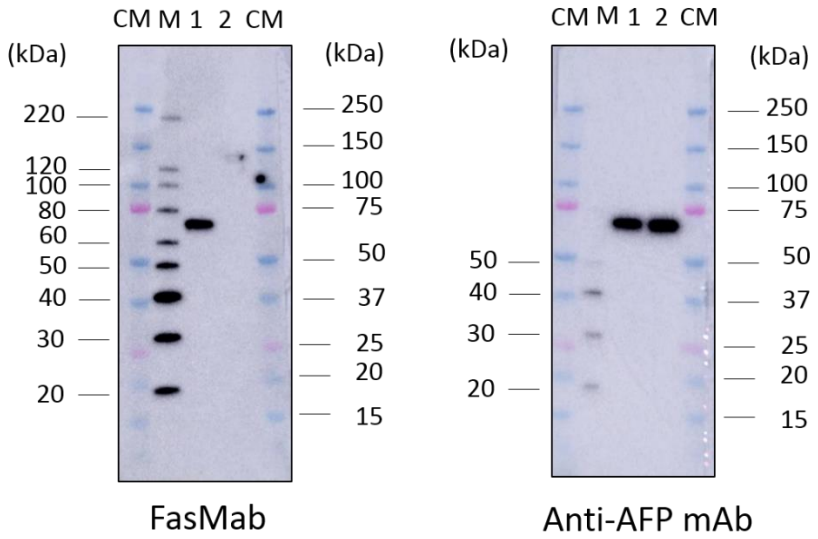


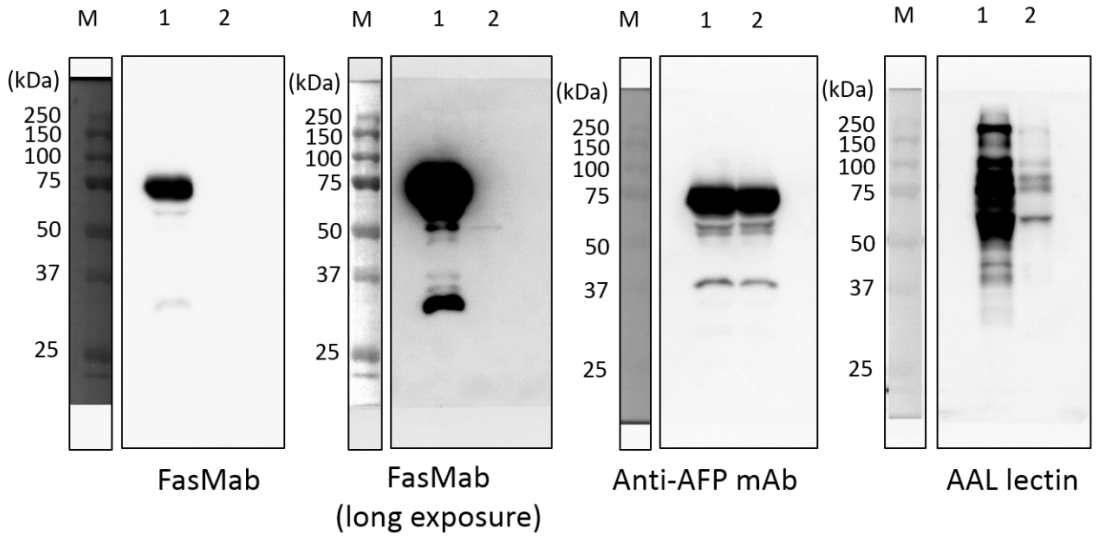
Supplementary Figure 1. Original images of western blot analyses for purified fucosylated AFP, afucosylated AFP and ALP.

Western blot analyses for purified fucosylated AFP, afucosylated AFP, and ALP. Lane M: marker (MagicMark XP Western Protein Standard; Thermo Fisher Scientific), Lane 1: fucosylated AFP, Lane 2: afucosylated AFP, Lane 3: ALP. Specific fluorescent bands were detected with X-ray Film RX-U (FUJIFILM, Tokyo, Japan).



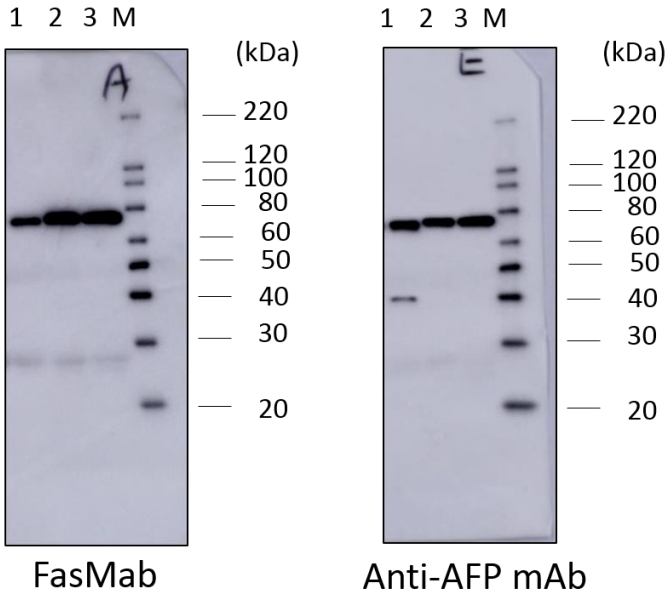
Supplementary Figure 2. Original images of western blot analyses for purified fucosylated AFP, afucosylated AFP and ALP.

Western blot analyses for AFP purified from conditioned media of wild-type and *FUT8*-deficient HepG2 cells. Lane CM: color marker (Precision Plus Protein Dual Color Standards; Bio-Rad), Lane M: marker (MagicMark XP Western Protein Standard; Thermo Fisher Scientific), Lane 1: AFP from wild-type HepG2 cells, Lane 2: AFP from *FUT8*-deficient HepG2 cells. Specific fluorescent bands were detected with an Amersham Imager 600 (GE Healthcare).



Supplementary Figure 3. Full-length images of western blot analyses of FasMab, anti-AFP mAb and AAL, using the conditioned media of wild-type and *FUT8*-deficient HepG2 cells.

Western blot and AAL blot analyses were performed, as described in Materials and Methods. 20 μg of condensed supernatant proteins were used in these experiments Lane 1: wild-type HepG2 cells, lane 2: *FUT8*-deficient HepG2 cells. Specific fluorescent bands were detected with an ImageQuant LAS 4000 (GE Healthcare).



Supplementary Figure 4. Original images of western blot analyses for AFP following co-precipitation with an anti-AFP polyclonal antibody from human serum.

Western blot analyses for AFP following co-precipitation with an anti-AFP polyclonal antibody from human serum. Lane 1: sample 1, Lane 2: sample 2, Lane 3: sample 3, Lane M: marker (MagicMark XP Western Protein Standard; Thermo Fisher Scientific). Specific fluorescent bands were detected with an Amersham Imager 600 (GE Healthcare).