Supplementary Table 1 Multivariate logistic regression analysis for hepatocellular carcinoma
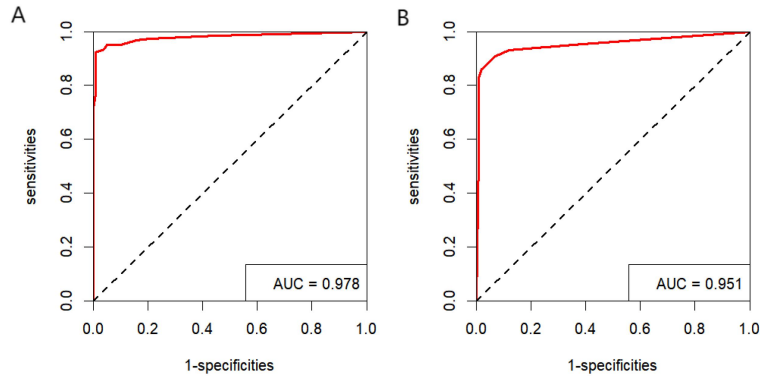
variable	B	OR	95%CI	*P* value
AFP>6ng/mL	2.995	19.99	5.97-66.86	<0.001
GP73>103ng/mL	2.824	16.847	4.74-59.8	<0.001
DCP>7ng/mL	1.424	4.154	1.37-12.59	0.012
CK18-M65>329 U/L	3.438	31.113	9.25-104.6	<0.001

B: regression coefficient; OR: Odds ratio; 95%CI: 95% confidence interval.

Supplementary Table 2 The equation for alpha-fetoprotein -negative hepatocellular carcinoma diagnosis risk score calculation

Risk score = -7.88e-07 * points ^3 + 0.000165364 * points ^2 + -0.001956247 * points + 0.097551784				
variable	value	points	value	points
GP73	<=103	0	>103	68
CK18-M65	<=329	0	>329	100

Supplementary Figure 1 Area under the curve for diagnosing hepatocellular carcinoma using combined serum markers. A: ROC curve of AFP combined with GP73, DCP, CK18-M65 and CK18-M30 for diagnosis HCC; B: ROC curve of GP73 combined with DCP, CK18-M65 and CK18-M30 for diagnosis AFP-negative HCC.