Supplementary Information

A sensitive three monoclonal antibodies based automatic latex particle-enhanced turbidimetric immunoassay for Golgi protein 73 detection

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This supplementary file contains Table S1, S2, Fig. S1-3 and their legend.

Table S1. Precision data for LTIA based on polyclonal antibodies

Concentration (ng/ml)	Within-run (n=20)			Total (n=20)		
	Mean	S.D.	CV (%)	Mean	S.D.	CV (%)
25	25.327	0.853	3.368	26.483	2.558	9.659
100	103.801	2.013	1.940	102.641	7.291	7.103
150	158.44	5.761	3.636	153.924	12.642	8.213

Table S2. Batch CV for LTIA based on 3 monoclonal antibodies

Concentration (ng/ml)	Batch CV		
	Mean	S.D.	CV(%)
25	26.500	2.347	8.857
100	109.661	11.129	10.149
150	153.070	3.111	2.032

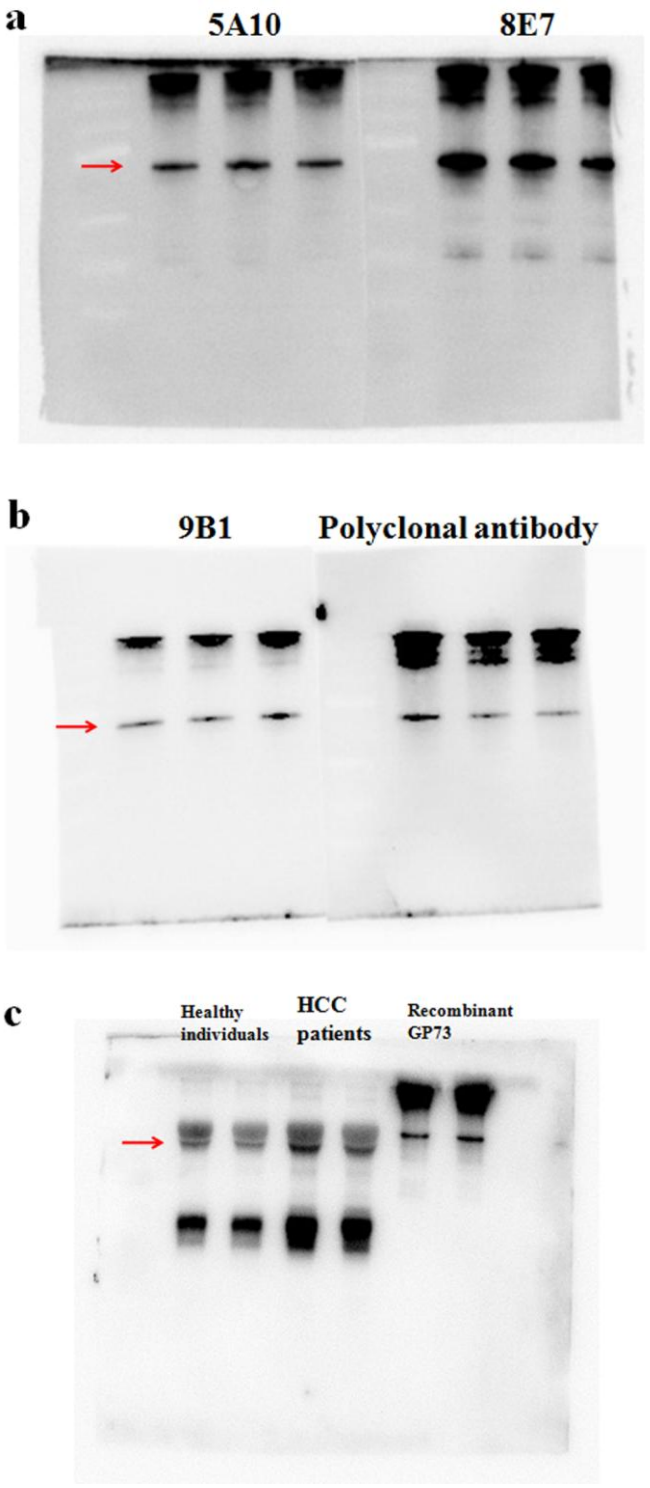

Fig. S1. Characteristics of anti-GP73 antibodies. The full-length gels were showed. The specificity of anti-GP73 antibodies were determined by WB analysis with recombinant GP73 (a and b) and native GP73 (c). The red arrow indicated the target band.

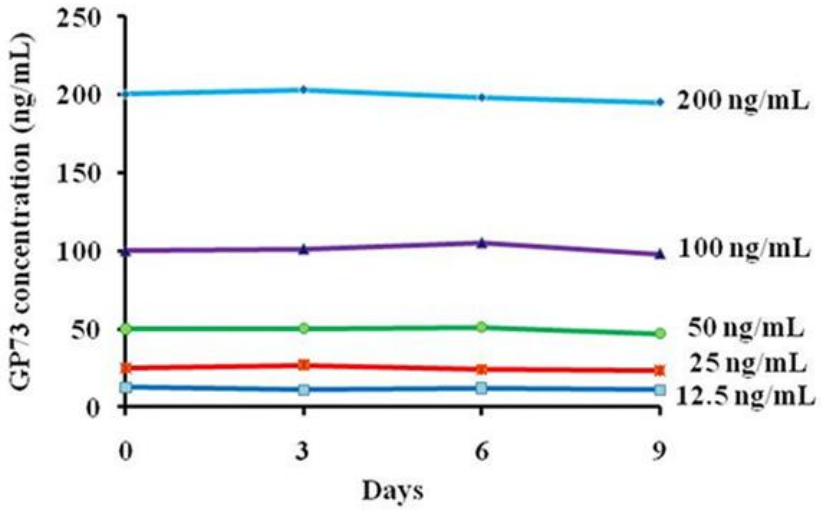

Fig. S2. The stability of antibody-immobilized latex beads. Absorbance measurement of serum standards with antibody-immobilized latex beads stored diluted at 4 ℃ for nine days.

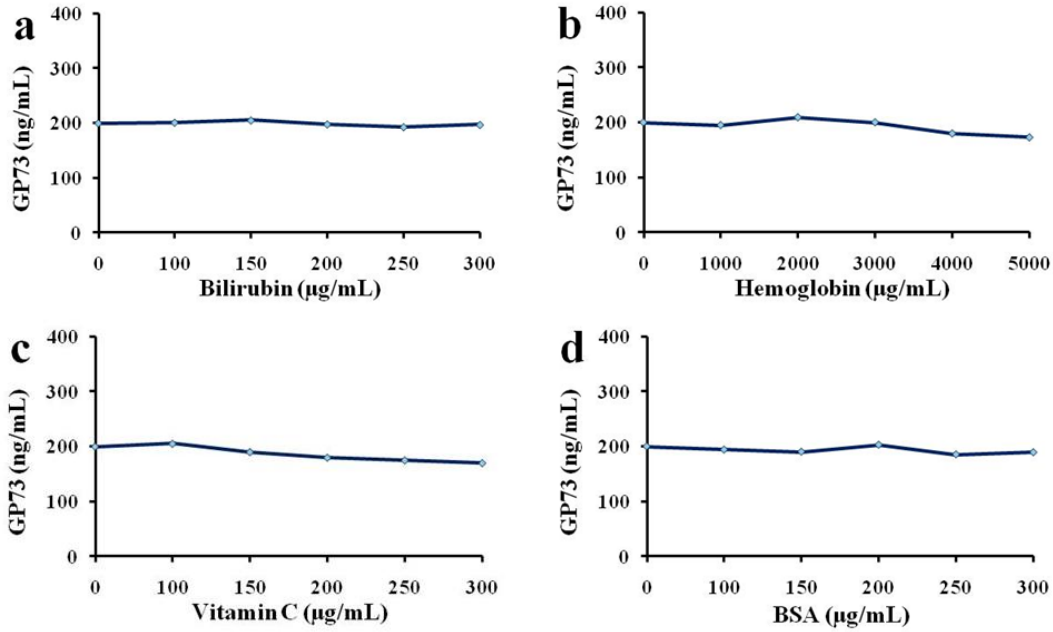

Fig. S3. Interference tests of LTIA based on polyclonal antibodies. The CV of GP73 was within 8.26% of the original concentration.