Development of a Monoclonal Antibody-Based Indirect Competitive Enzyme-Linked Immunosorbent Assay for the Rapid Detection of Gallic Acid

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Table S1. Antibody potency detection.

Dilution factor	P/N value
500	42.17
1,500	20.90
4,500	8.83
13,500	4.21
40,500	2.12
121,500	1.33
364,500	0.87

Table S2. Antibody subtype detection.

Antibody subtype	IgG1	IgG2a	IgG2b	IgG3	IgM	IgA
OD_{450}	1.423	1.100	2.343	0.789	0.946	0.498

Table S3. Determination of the optimum concentration of coating antigen.

Coating antigen concentration（µg/mL）	A_{450}
1	1.146
0.5	1.043
0.25	0.951
0.125	0.734
0.0625	0.649
0.03125	0.580

Table S4. Determination of the optimum concentration of mAb.

mAb concentration（µg/mL）	Maximum competitive inhibition rate
2	1.29
0.67	1.29
0.22	0.91
0.074	0.75
0.025	0.62