

Supporting Information

Highly dispersed magnetic molecularly imprinted nanoparticles with well-defined thin film for the selective extraction of glycoprotein

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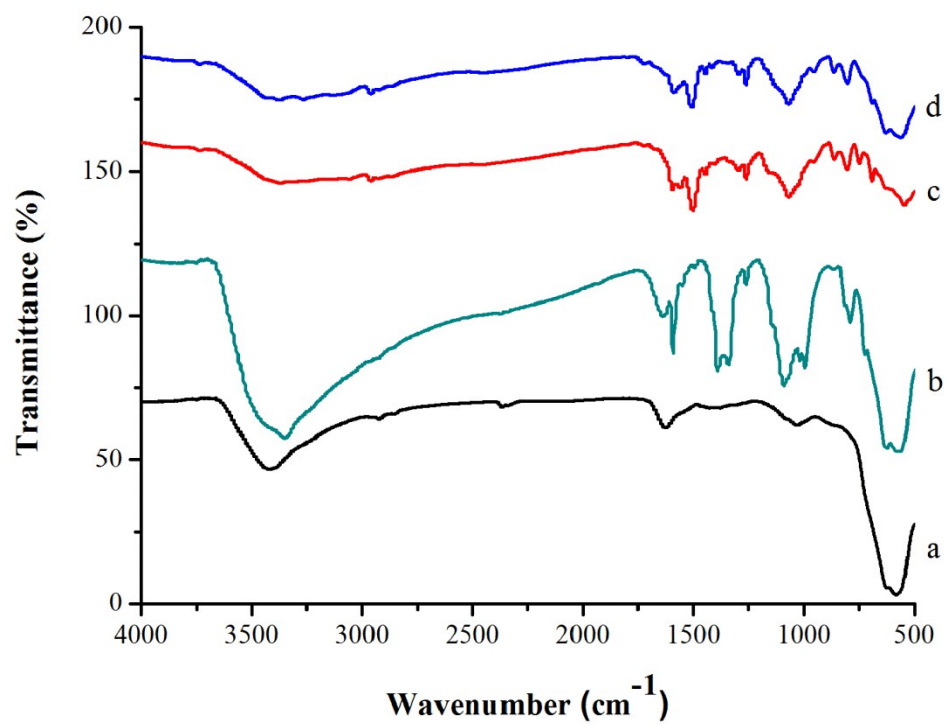


Fig.S1. FT-IR spectra of the Fe_3O_4 NPs (a), boronate-functionalized Fe_3O_4 NPs (b), MMIPs (c), MNIPs (d).

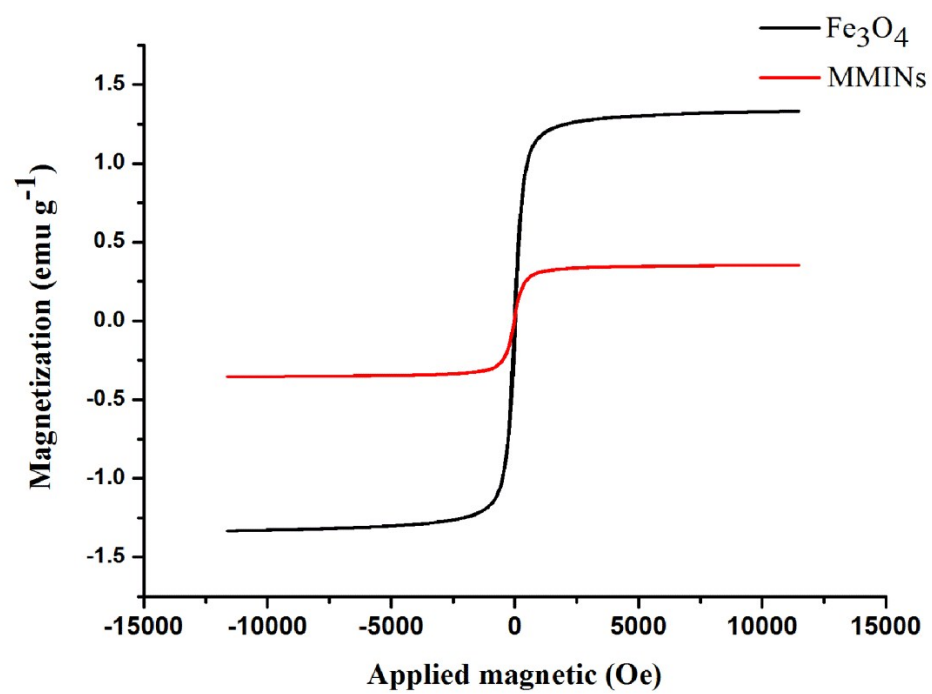


Fig.S2. Hysteresis loops of Fe₃O₄ NPs and MMIPs

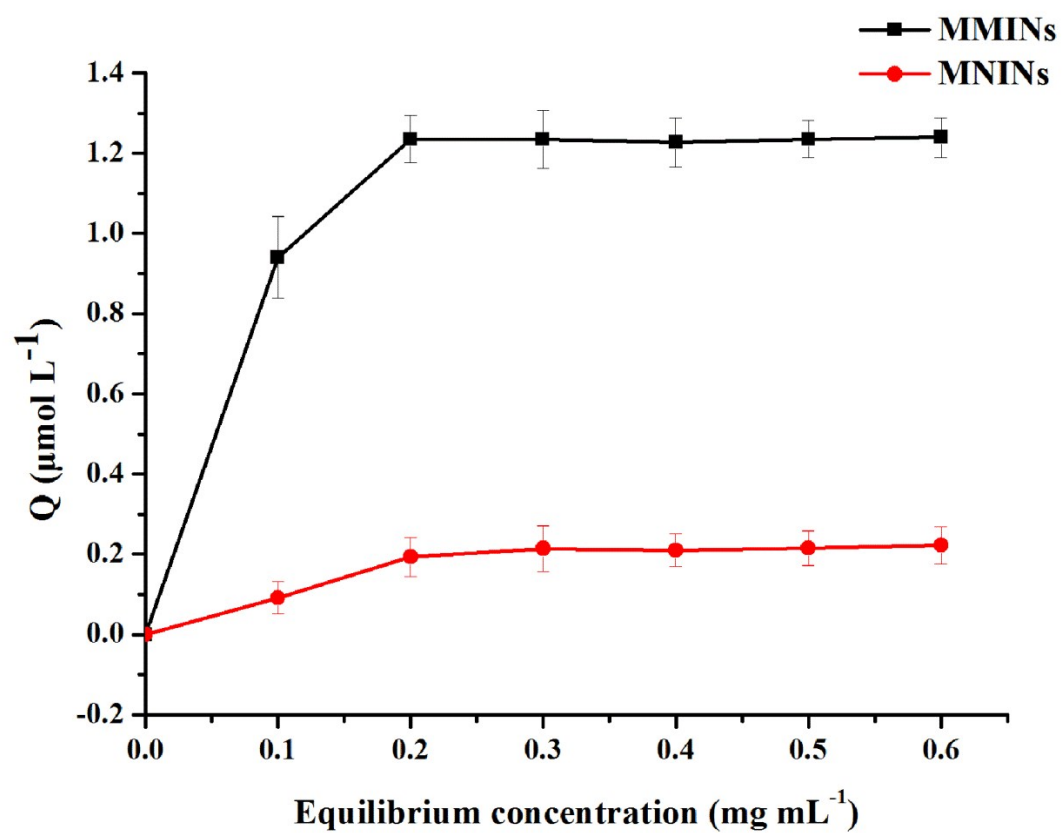


Fig.S3. The adsorption isotherms of HRP on the MMIPs and MNIPs.

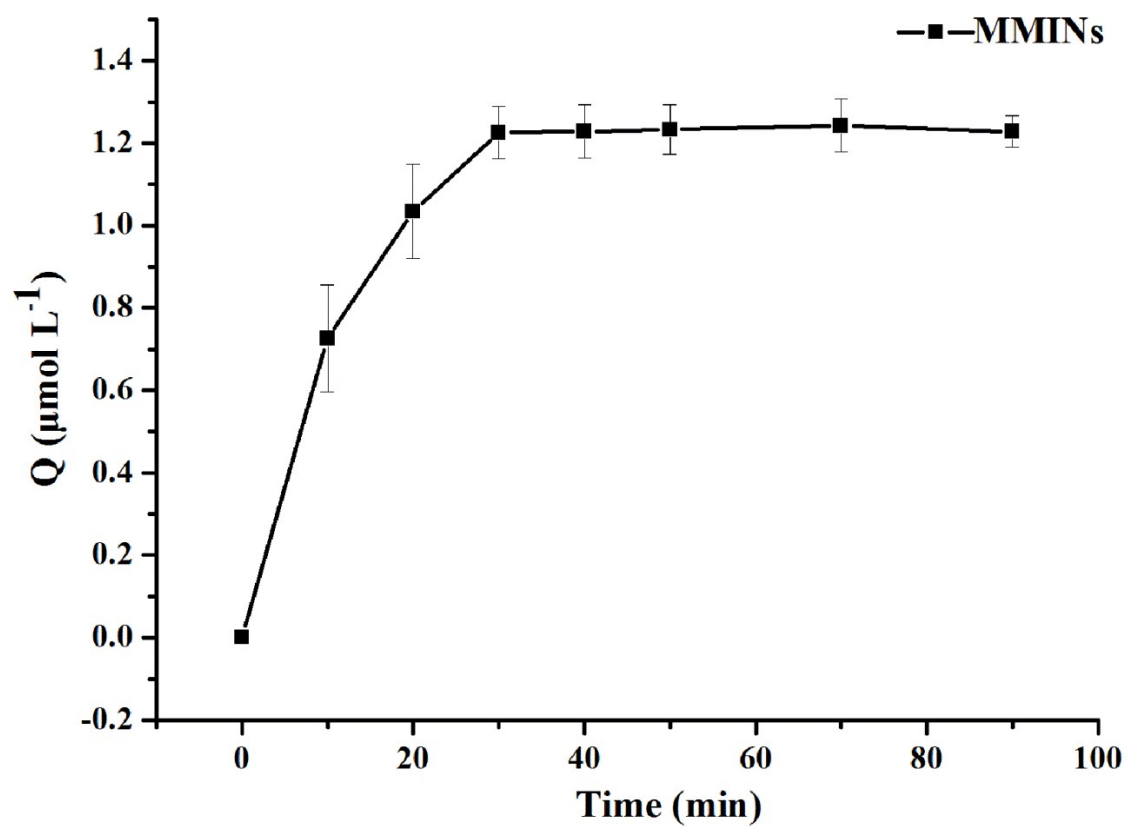


Fig.S4. Effect of extraction time.

Table S1 Average particle size and distributions of the particles

Particles	Average particle size (nm)	RSD ^a (%)	PDI	RSD ^b (%)
Fe ₃ O ₄	358.6	6.81	0.172	5.99
Fe ₃ O ₄ @Au	359.17	7.47	0.191	7.90
Boronic acid functionalized Fe ₃ O ₄ @Au	359.76	6.02	0.196	4.03
MMINs	379.01	12.41	0.229	8.83
MNINs	392.57	15.92	0.241	10.52

a: the average particle size of the particles; b: PDI of the particles