Electronic Supplementary Information (ESI)

A Facile and General Approach for the Preparation of Boronic Acid-functionalized Magnetic Nanoparticles for the Selective Enrichment of Glycoproteins

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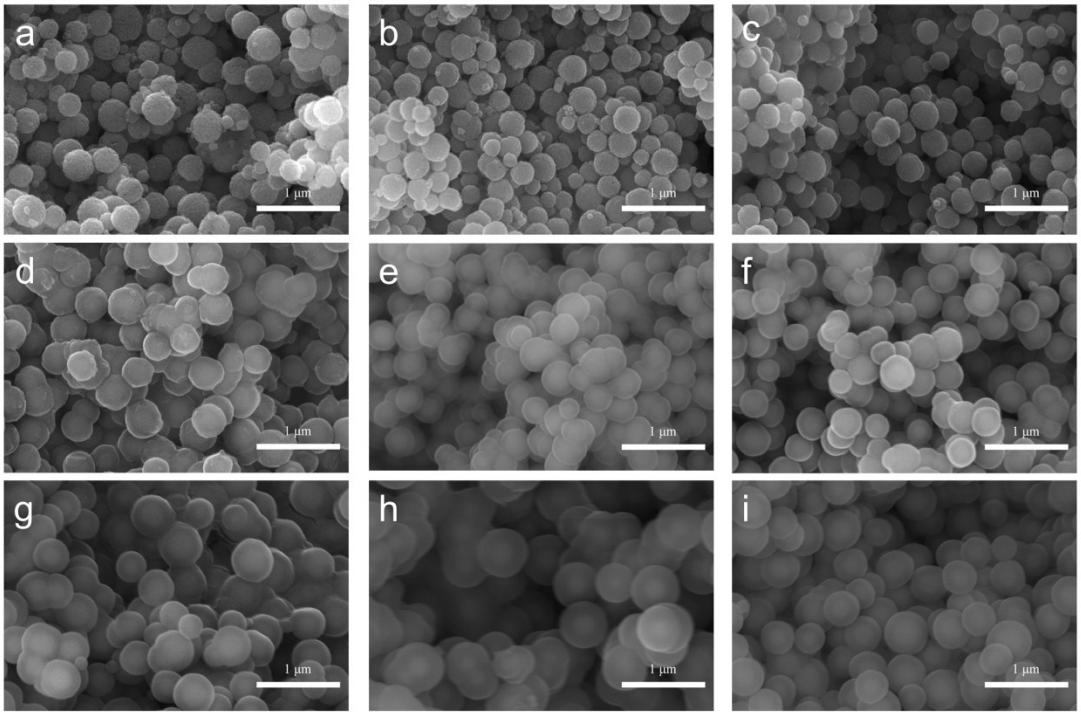

Fig. S1 SEM images of Fe_3O_4 (a, d and c), $Fe3O_4@SiO_2$ (d, e and f) and $Fe_3O_4@SiO_2$-BA (g, h and i) from three independent experiments.

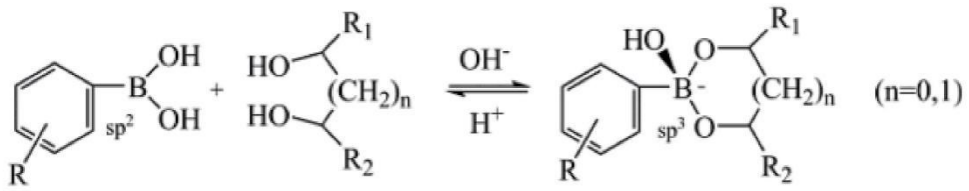

Fig. S2 Mechanism of reaction between boric acid and the *cis*-diol moieties of glycans[1].

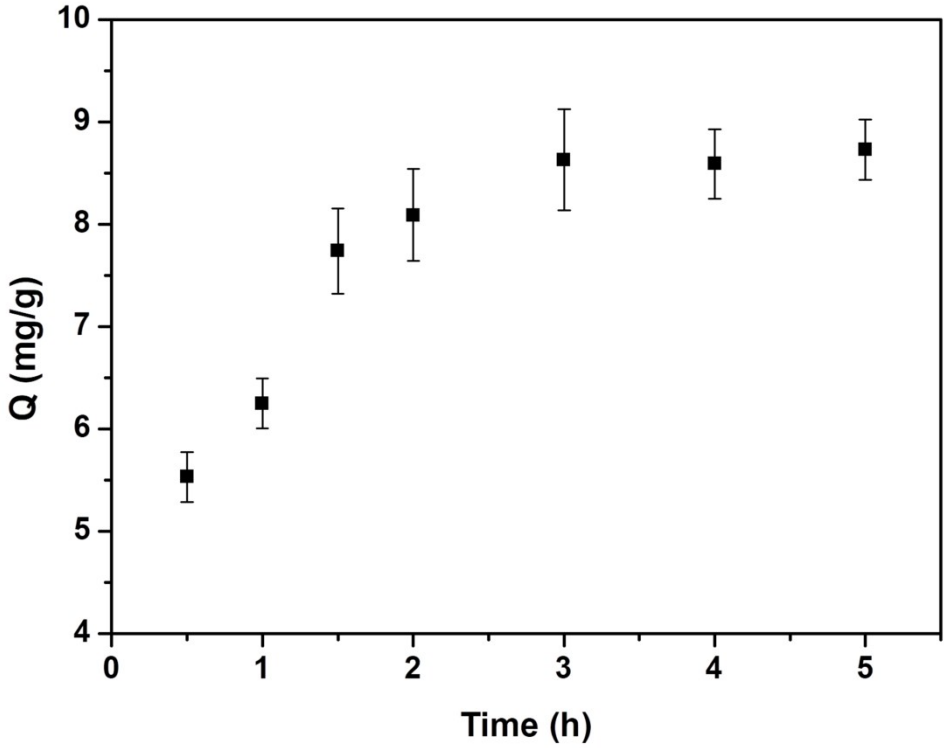

Figure S3 Adsorption of ovalbumin (0.1 mg/mL) on Fe_3O_4@SiO_2-BA at pH 8.5 with different time.

Reference:

1. J. P. Lorand, Edwards J. O. Polyol, *J. Org. Chem.,* 1959, **6**, 769-774.