

Electronic Supplementary Information

Multi-stimuli responsive molecularly imprinted nanoparticles with tailorable affinity for modulated specific recognition of human serum protein

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Table S1. The concentration and amount of BHb in the eluent.

Eluent	Concentration (mg mL ⁻¹)	Amount (mg)
1st	1.16	11.6
2st	0.62	6.2
3st	0.37	3.7
4st	0.13	1.3
5st	0.099	0.99
6st	0.062	0.62
7st	0.038	0.38
8st	0.023	0.23
9st	0.010	0.10
10st	0.001	0.01
Sum	/	25.1

Table S2. Adsorption equilibrium constants for *Langmuir* and *Freundlich* isothermal fitting constants of MSR-BSA-MIPs and NIPs.

Sorbents	$Q_{e,E}$ (mg/g)	<i>Langmuir</i> isothermal equation			<i>Freundlich</i> isothermal equation		
		R^2	$Q_{m,L}$ (mg/g)	K_L (mL/mg)	R^2	K_F (mL/mg)	n
MSR-BSA-MIPs	54.51	0.9314	89.28	0.5161	0.9788	27.00	0.7122
NIPs	10.49	0.9167	18.21	0.4431	0.9743	5.014	0.7334

$Q_{e,E}$ is the experimental value of Q_e

$Q_{m,L}$ is the calculated value of Q_e by *Langmuir* isotherm equation