

Supporting Information

A multicolor nano-immunosensor for the detection of multiple targets

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Table S1. Determination of LE, PP and cTnI in the spiked human serum samples

Sample	Analyte	Added [pg/mL]	Found [pg/mL]	RSD [%, n=5]	Recovery [%]
1	LE	50	48.6	4.8	97.2
	PP	50	48.4	5.1	96.8
	cTnI	50	47.8	3.2	95.6
2	LE	200	206.4	1.9	103.2
	PP	200	198.8	2.5	99.4
	cTnI	200	196.4	3.9	98.2
3	LE	1000	965.0	4.3	96.5
	PP	1000	988.1	2.7	98.8
	cTnI	1000	960.8	3.6	96.1

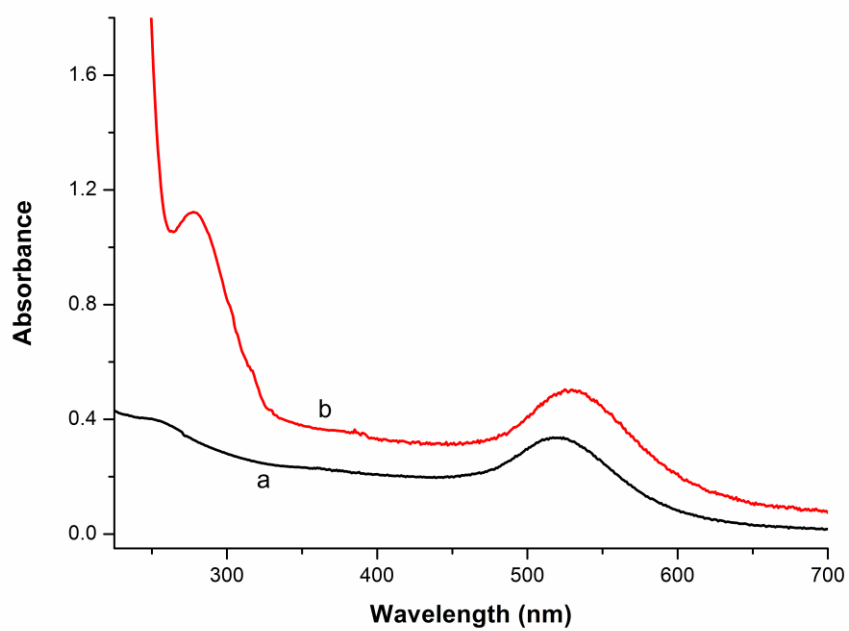


Figure S1. UV-vis spectra of AuNPs (a) and AuNPs-Ab (b).

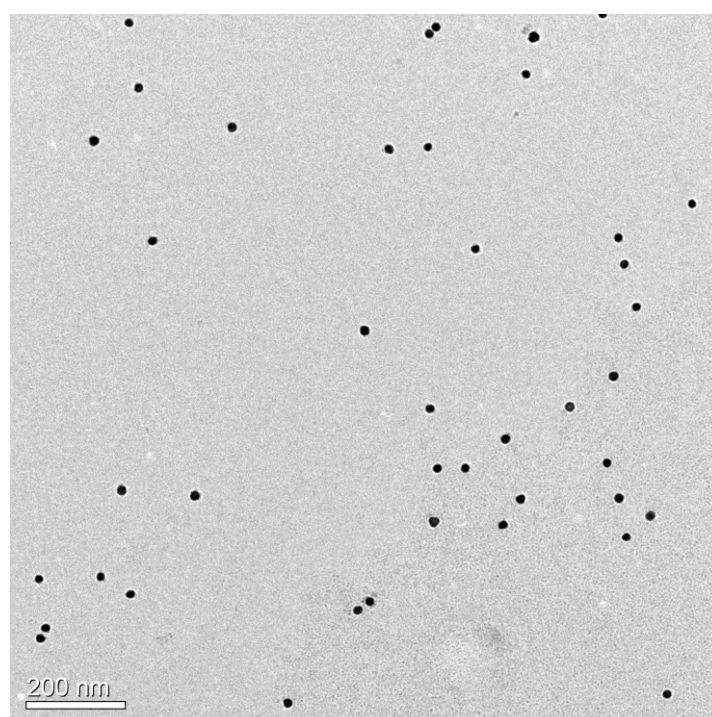


Figure S2. TEM image of AuNPs

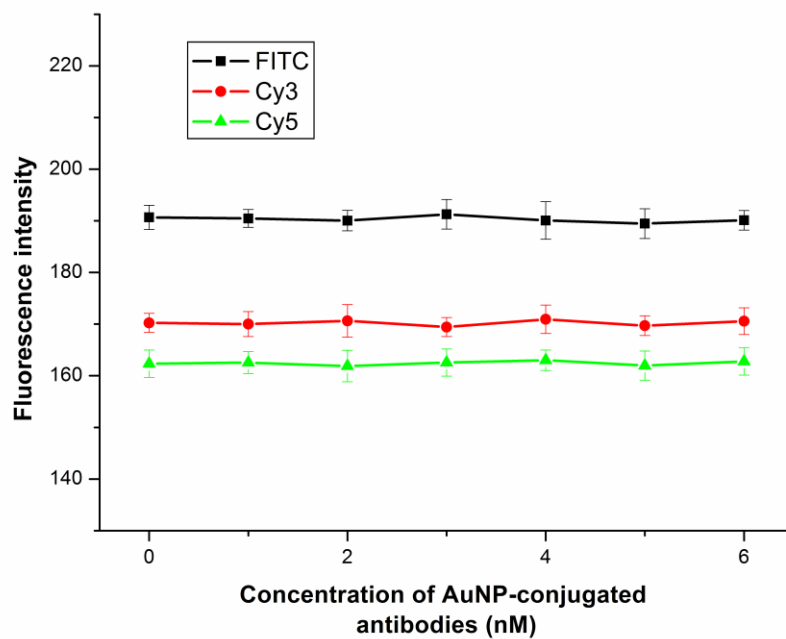


Figure S3. Fluorescence intensity of free dyes by AuNPs-Ab conjugates with concentrations ranging from 0 to 6 nM. In these experiments, AuNPs-Ab conjugates were simply mixed with free dyes (without its conjugation to peptide antigens) and unmodified peptide antigens.