

Supplementary Information

NiFe PBA/AuNPs nanocomposite sensitive immunosensor for electrochemical detection of PSA

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Fig S1

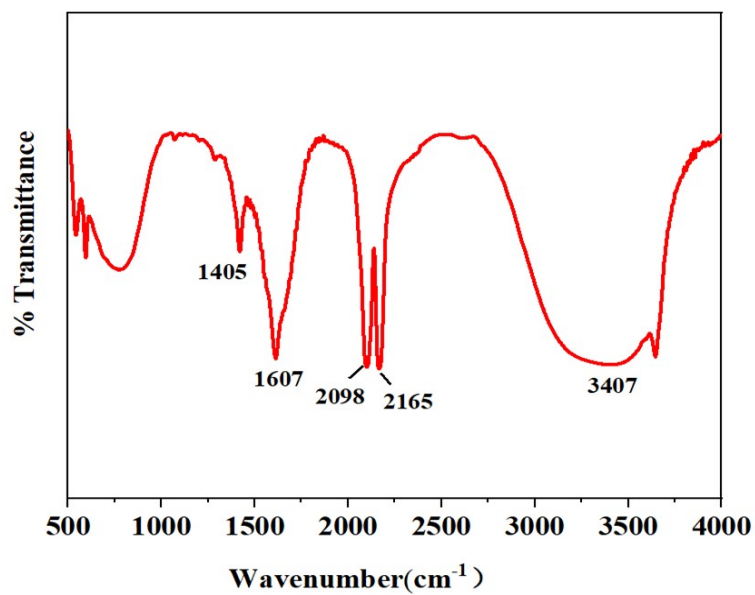


Fig. S1 FTIR spectra of NiFe PBA/AuNPs.

Fig S2

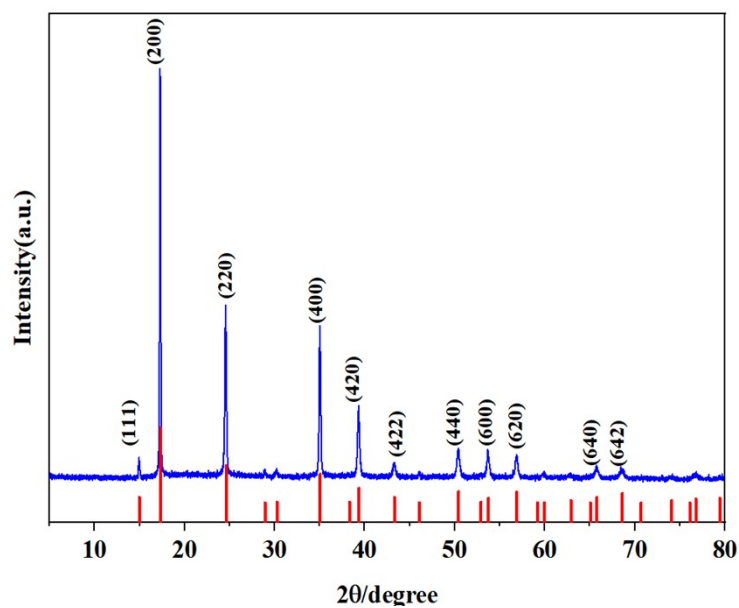


Fig. S2 XRD pattern of NiFe PBA/AuNPs.

Fig S3

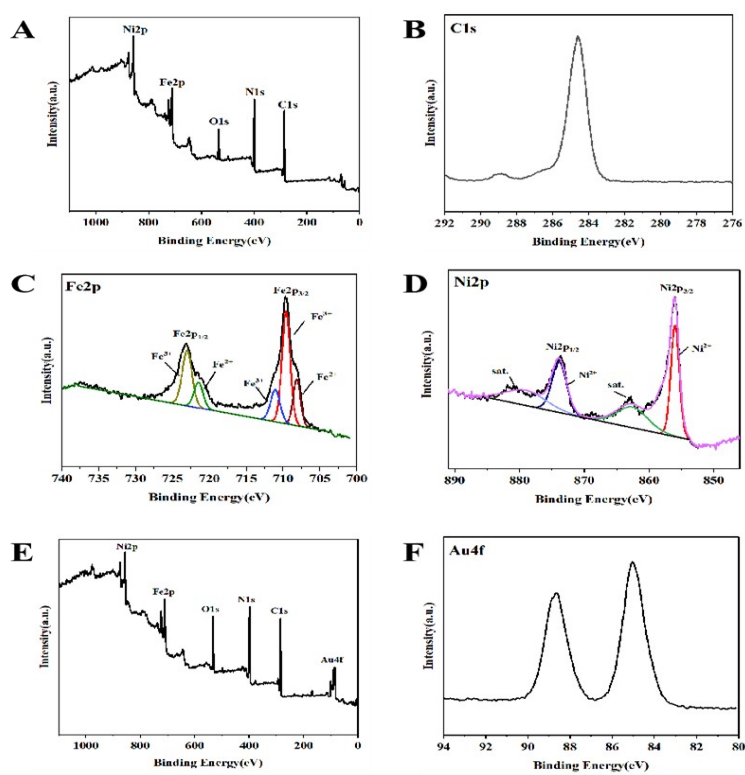


Fig. S3 XPS spectra of NiFe PBA: (A) full scan; (B) C1s; (C) Fe2p; (D) Ni2p.

XPS spectra of NiFe PBA/AuNPs:(E) full scan; (F)Au4f

Fig S4

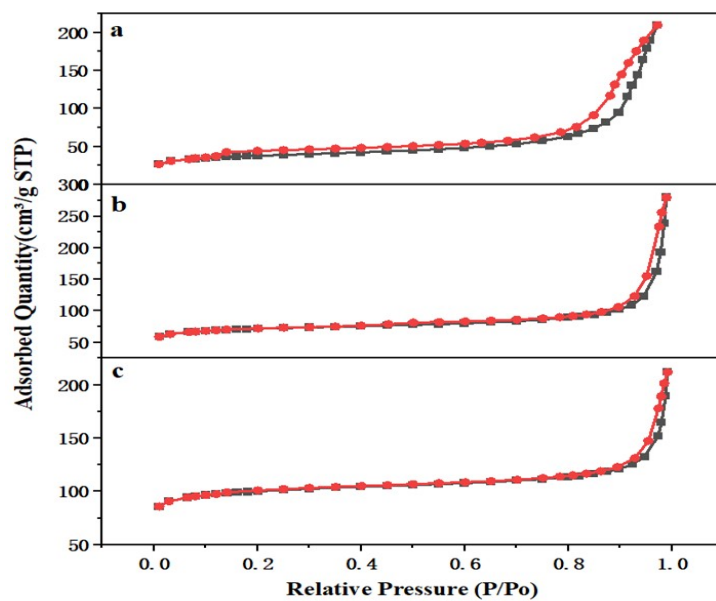


Fig. S4 N_2 adsorption-desorption isotherms of (a) CoFe PBA (b) MnFe PBA and (c) NiFe PBA

Fig S5

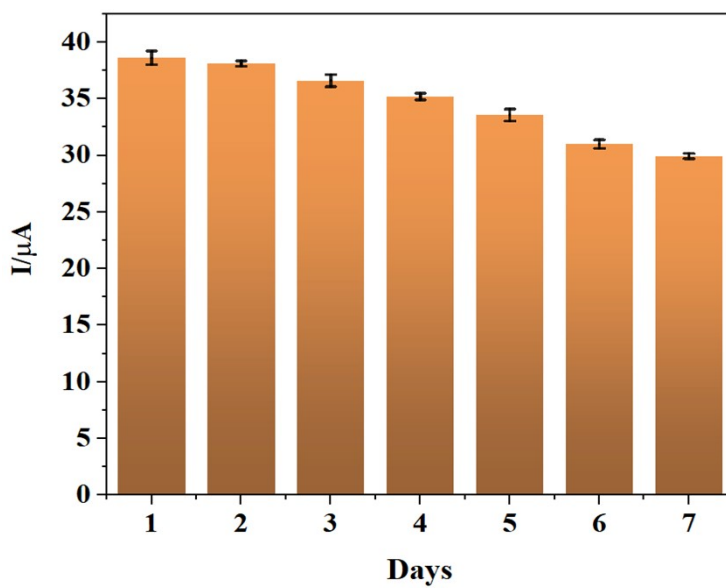


Fig. S5 Stability test of prepared biosensor

Table S1

Reproducibility test of prepared biosensor (n=5)

Sample	Current response (μA)	Average (μA)	RSD (%)
1	30.64		
2	30.16		
3	31.22	30.85	2.92
4	30.01		
5	32.22		