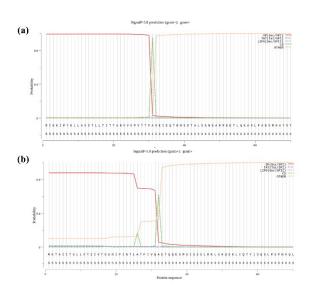
Supplementary Information (SI) for Analyst. This journal is © The Royal Society of Chemistry 2024



Supporting Information

Fig. S1 Signal peptide prediction for Hbl B and L2.

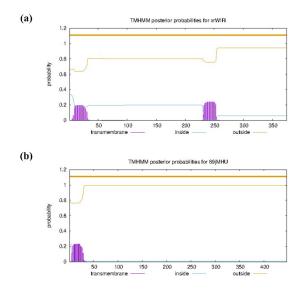


Fig. S2 Transmembrane domain prediction for Hbl B and L2.

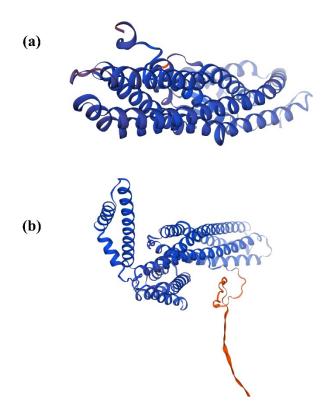


Fig. S3 The conformation prediction for Hbl B and L2.

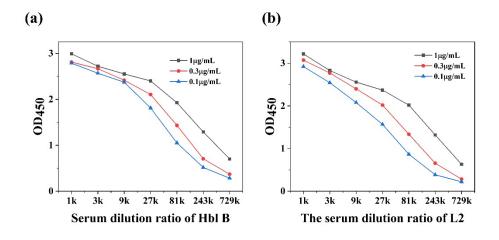
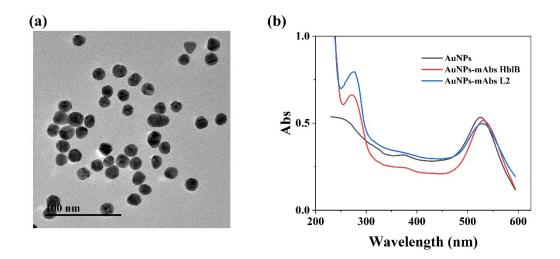


Fig. S4 Serum titer of Hbl B and L2 before cell fusion.



**Fig. S5** Characterization of AuNPs and AuNPs labelled mAbs, (a) TEM of AuNPs, (b) UV–Vis absorption spectra of AuNPs and AuNPs labelled mAbs.