

Supplementary Information

**Development of a colloidal gold strip assay for the detection
of total homocysteine in serum samples**

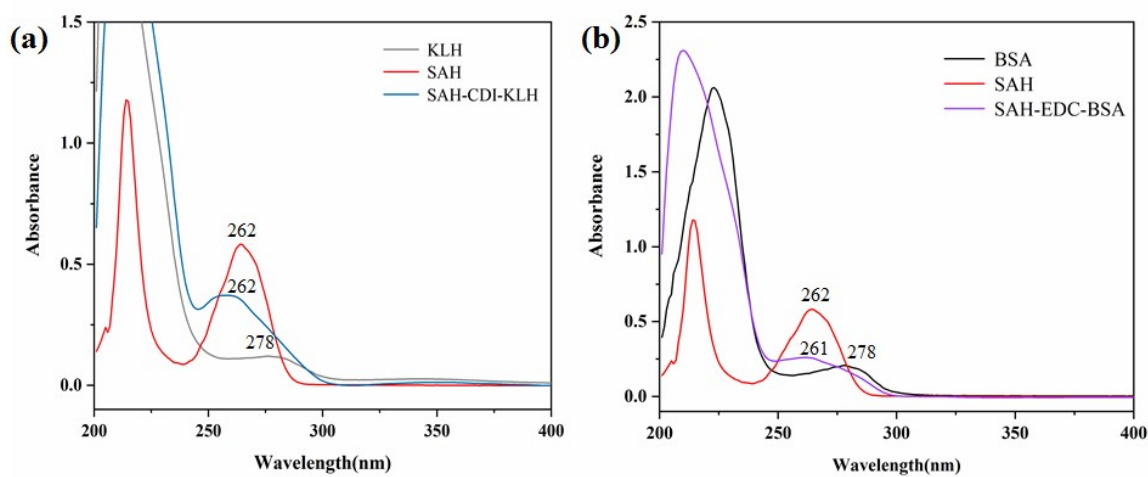


Fig. S1. Characterization of antigens by UV/Vis spectroscopy. (a) Immunogen SAH-CDI-KLH. (b) Coating antigen SAH-EDC-BSA.

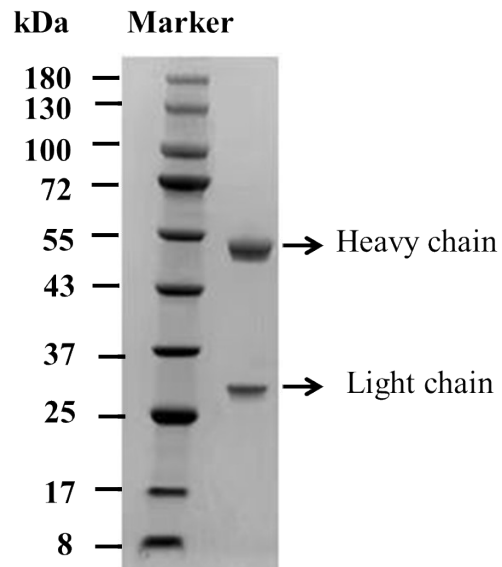


Fig. S2. The sodium dodecyl sulphate-polyacrylamide gel electrophoresis (SDS-PAGE) image of mAb 3B3 purified by protein G affinity chromatography.

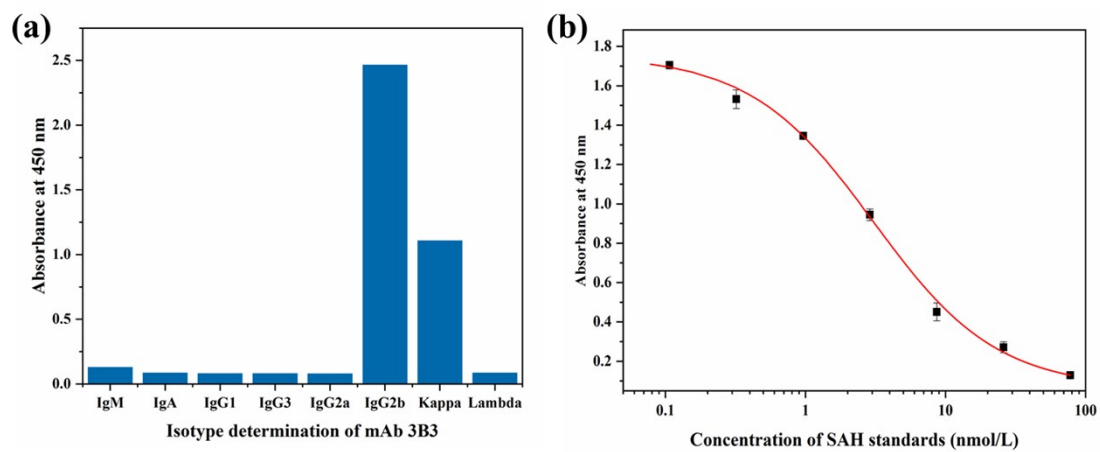


Fig. S3. Characterization of the mAb against SAH. (a) Isotype analysis of mAb 3B3. (b) Standard curve for SAH detection by ic-ELISA.

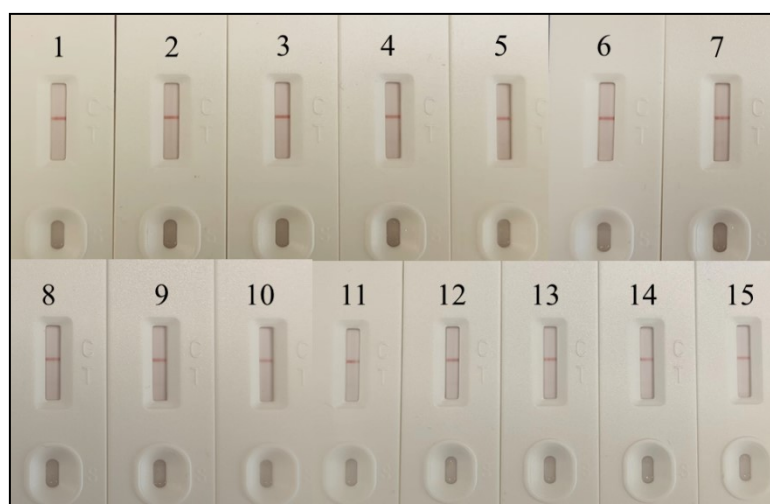


Fig. S4. Test of the 15 serum samples with LFIA strip after enzymatic hydrolysis. 1 to 15 were the post-reaction solution of 15 serum samples.

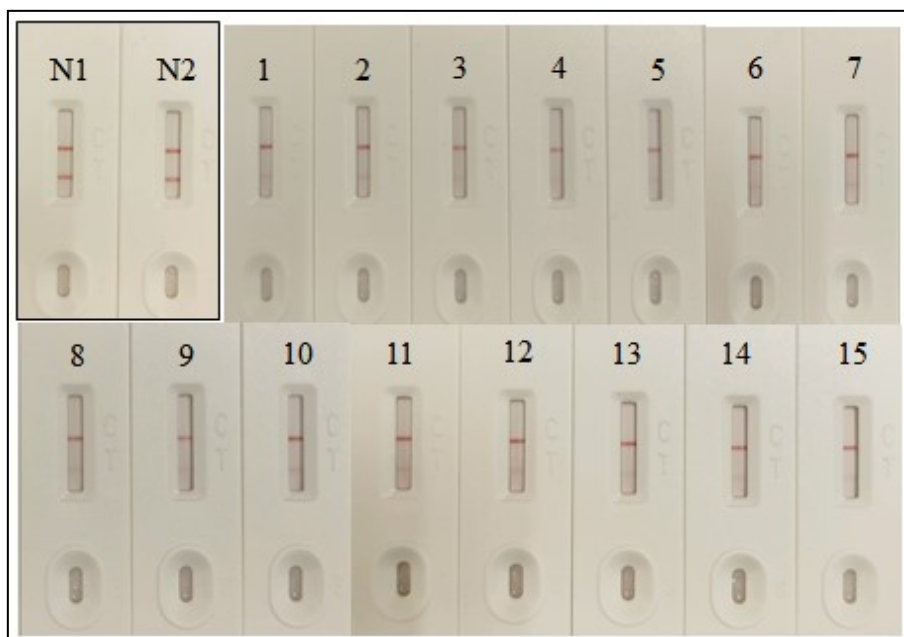


Fig. S5. tHcy detection of serum samples after enzymatic hydrolysis. N1 was the reaction solution of negative serum sample. N2 was PBS with 0 nM of SAH. 1 to 15 were the post-reaction solution of 15 serum samples with proper dilution.