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Metal ion chelation-based color generation for alkaline phosphatase-linked high-performance visual immunoassays

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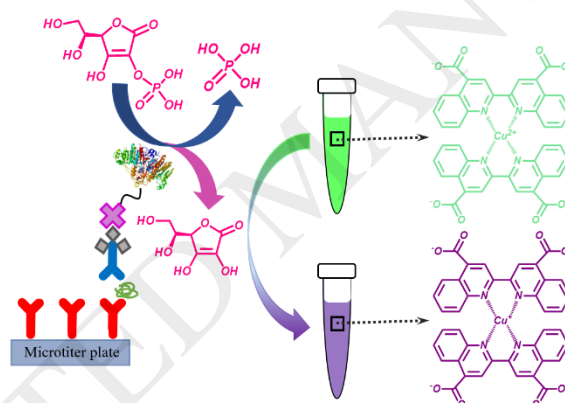
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Graphical abstract



A novel colorimetric immunoassay strategy based on metal ion chelation-induced color generation and alkaline phosphatase(ALP)-catalyzed signal amplification. An ALP-linked visual immunoassay is demonstrated with Cu(II)-BCA mixture as a color developing reagent for rabbit IgG and prostate specific antigen (PSA) detection. This work provides a promising platform for bio-/chemical analysis in a variety of fields.

Highlights

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