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**GTP as a peroxidase-mimic to mediate enzymatic cascade reaction  
for alkaline phosphatase detection and alkaline phosphatase-linked  
immunoassay**

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Graphical Abstract

We showed for the first time that GTP exhibited peroxidase-like activity and a colorimetric platform for ALP and AFP detection was designed based on the enzymatic cascade reaction by coupling ALP-catalyzed dephosphorylation of GTP with GTP-catalyzed oxidation of TMB.

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