

Biomolecule-Based Metal Nanoclusters as Biosensors

Abstract

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A method for detecting binding of a ligand to a target molecule comprising:

contacting a sample comprising the ligand and the target molecule with a metal nanocluster precursor under a denaturing condition, the precursor being capable of forming a metal nanocluster under a reducing condition to produce a detectable signal;

wherein detection of a signal that substantially differs from the signal of a control in the absence of the ligand indicates that the ligand binds to the target molecule.

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