METHOD FOR DETECTING SUBSTANCE IN BIOLOGICAL SAMPLE

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ABSTRACT

The present invention provides a method for detecting a substance in a biological sample, a carrier for using in the method, and a kit. The method of the present invention includes 1) providing a carrier on which a biotin-binding protein is bound and providing a biotinylated protein by biotinylating a protein that specifically binds to a substance to be detected; 2) binding the biotinylated protein to the carrier provided in step 1) to produce a biotinylated protein-bound carrier; 3) mixing (a) a biological sample, and (b-i) a cell homogenate extract prepared from cells of the same species as that of the host cells used for expressing, for example, the biotin-binding protein in step 1), and a biotin-binding protein, or (b-ii) a cell homogenate extract prepared from cells of the same species as that of the host cells used for expressing, for example, the biotin-binding protein in step 1) and genetically engineered to express a biotin-binding protein, and adding the mixture to the biotinylated protein-bound carrier produced in step 2); and 4) detecting the substance specifically bound to the biotinylated protein.

No Suitable Figure.