ABSTRACT OF THE DISCLOSURE

Abstract

[Problem]

To provide a labeling substance capable of reversibly immobilizing (reversible detachment) to a solid surface and to reliably and accurately identify a target biological substance interacting with a probe substance bound to the labeling substance.

[Solving Means]

A chimeric compound is provided, which includes a labeling substance L including (1) an organic compound S with a chemical structure capable of binding to a probe substance P, which can interact with a biological substance B and (2) a peptide bound to the organic compound S and specifically recognized by an antibody A, peptide and a probe substance P at least except a peptide or protein. In addition, a method for preparing the labeling substance L and a method for capturing, structurally analyzing and/or identifying the biological substance using the labeling substance L are provided.

[Selective Drawing] Fig. 2

[Fig. 3]

T (Flag peptide)

[Fig. 6]

Amide bond

[Fig. 12]

lanthanum

[Fig. 14]

HL-60 cell

Control group

Chimeric compound added group (100μ, 3 days)

[Fig. 15]

Flag chimeric compound

Biotin labeled compound