Title (en)

FLUORESCENT REPORTER AND USE THEREOF FOR THE DETECTION OF TARGET MOLECULES

Title (de)

FLUORESZIERENDE REPORTER UND DEREN VERWENDUNG ZUM NACHWEIS VON ZIELMOLEKÜLEN

Title (fr)

RAPPORTEUR FLUORESCENT ET SON UTILISATION POUR LA DÉTECTION DE MOLÉCULES CIBLES

Publication

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Application

EP 21811112 A 20210910

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Abstract (en)

[origin: WO2022053769A2] The invention relates to a device for detecting a target molecule (2) and/or measuring the concentration of a target molecule (2) comprising: a substrate at the surface of which is covalently attached a grafting molecule; at least one fluorescent probe (1) comprising: at least one receptor (11) bonded to a polypeptide (12) via a covalent bond; two fluorochromes Fa and Fb; in which the fluorochrome Fa is bonded to the receptor (11) and the fluorochrome Fb is bonded to the polypeptide (12); and the fluorochromes Fa and Fb form a FRET donor/acceptor pair; in which the polypeptide (12) is bonded to the grafting molecule via a covalent bond. The invention also relates to a fluorescent probe and a method for detecting a target molecule and/or measuring the concentration of a target molecule.

IPC 8 full level

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