

Title (en)

METHOD AND BIOSENSOR FOR DETECTING ANTIGEN

Title (de)

VERFAHREN UND BIOSENSOR ZUM NACHWEIS VON ANTIGENEN

Title (fr)

PROCEDE ET BIOCAPTEUR DE DETECTION D'ANTIGENE

Publication

EP 1143251 B9 20050119 (EN)

Application

EP 99900171 A 19990112

Priority

JP 9900066 W 19990112

Abstract (en)

[origin: EP1143251A1] A sensor chip for surface plasmon resonance which has a thin metal film, an antibody against a substance with the steroid skeleton such as a steroid hormone, a sex hormone or an environmental hormone (excluding triazine compounds), and a fixation layer for fixing the antibody to the thin metal film; and a method for detecting an environmental hormone which involves the step of exposing the antibody in the above-mentioned sensor chip to a sample, the step of irradiating the thin metal film with light and the step of determining the intensity of the light reflected by the thin metal film. This method achieves a high sensitivity and an excellent selectivity. <IMAGE>

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G01N 33/543

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1780546A1; CN104395753A; EP2579025A4; US7396676B2; US11255849B2; US11668646B2; KR20240002297A

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