

Title (en)

METHOD AND KIT FOR THE QUANTITATIVE DETERMINATION OF HUMAN THYROID PEROXIDASE

Title (de)

VERFAHREN UND KIT ZUR MENGENBESTIMMUNG VON MENSCHLICHER SCHILDDRÜSENPEROXIDASE

Title (fr)

PROCEDE ET MATERIEL DE DETERMINATION QUANTITATIVE DE LA PEROXYDASE DE LA THYROIDE HUMAINE

Publication

**EP 0708924 A1 19960501 (EN)**

Application

**EP 94917680 A 19940531**

Priority

- DE 4323436 A 19930713
- DE 4343255 A 19931217
- EP 9401771 W 19940531

Abstract (en)

[origin: WO9502824A1] Method for the quantitative determination of human thyroid peroxidase (hTPO) in biological fluids, culture media, tissue extracts and fluids containing highly purified natural hTPO or recombinant hTPO, in which the determination is carried out as a sandwich assay known per se, using a first monoclonal antibody against hTPO and at least one further monoclonal antibody against hTPO (MAB1, MAB2), of which the former (MAB1) recognises hTPO in a region which is sensitive to denaturing and is involved in the binding of the autoantibodies against hTPO and in enzyme inhibition, while the one or more further antibodies (MAB2) recognises hTPO in a region whose binding properties are not essentially impaired by denaturing of hTPO.

IPC 1-7

**G01N 33/573**; **G01N 33/564**; **G01N 33/574**

IPC 8 full level

**G01N 33/50** (2006.01); **G01N 33/564** (2006.01); **G01N 33/573** (2006.01); **G01N 33/574** (2006.01); **G01N 33/577** (2006.01)

CPC (source: EP)

**G01N 33/564** (2013.01); **G01N 33/573** (2013.01); **G01N 33/57488** (2013.01); **G01N 2333/08** (2013.01)

Citation (search report)

See references of WO 9502824A1

Citation (examination)

- THYROPEROXIDASE AND THYROID AUTOIMMUNITY, vol.207, 1990 pages 169 - 172 T.J.
- WILKIN ET AL. 'Approaches to the measurement of TPO in serum' cited in the application

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**WO 9502824 A1 19950126**; AU 6930694 A 19950213; DE 4343255 A1 19950622; EP 0708924 A1 19960501; IL 109795 A0 19940826; JP H08512407 A 19961224

DOCDB simple family (application)

**EP 9401771 W 19940531**; AU 6930694 A 19940531; DE 4343255 A 19931217; EP 94917680 A 19940531; IL 10979594 A 19940526; JP 50430795 A 19940531