Title (en)

IMMUNOASSAY FOR DETERMINING BLOOD CELL ACTIVATION

Title (de)

IMMUNOASSAY ZUR BESTIMMUNG DER BLUTZELLAKTIVIERUNG

Title (fr)

DOSAGE IMMUNOLOGIQUE POUR DETERMINER L'ACTIVATION DES CELLULES DU SANG

Publication

EP 0838034 A4 20000524 (EN)

Application

EP 96918058 A 19960605

Priority

- US 9608776 W 19960605
- US 47352095 A 19950607

Abstract (en)

[origin: WO9641176A1] A method for determining the activation level of platelets and other types of blood cells that undergo activation by ELISA and other immunoassay techniques includes the step of reacting a sample containing the blood cells in a liquid phase with an excess quantity of an activation-specific primary antibody prior to allowing the cells in the sample to bind to a solid surface. This differs from typical ELISA procedures, wherein the cells are bound to the surface of a plastic test tube or microtiter plate prior to addition of the primary antibody. It has been discovered according to the invention that binding the cells to a surface prior to reaction with the primary antibody changes the activation level of the cells, making the assay less accurate. In addition, whole platelet ELISA, like flow cytometric analyses, can sensitively detect activated platelets.

IPC 1-7

G01N 33/536; G01N 33/543

IPC 8 full level

G01N 33/569 (2006.01)

CPC (source: EP)

G01N 33/56966 (2013.01)

Citation (search report)

- [X] WO 9321527 A1 19931028 - MILWAUKEE HEART RES FOUND [US]
- [PX] US 5457028 A 19951010 - AMRANI DAVID L [US]
- [X] SHATTIL SJ, CUNNINGHAM M, HOXIE JA: "Detection of activated platelets in blood using activation-dependent monoclonal antibodies and flow cytometry", BLOOD, vol. 70, no. 1, 1987, pages 307 - 315, XP000881391
- [PX] AMRANI ET AL: "Development of a whole platelet ELISA to detect circulating activated platelets", J. LAB. CLIN. MED, vol. 126, no. 6, December 1995 (1995-12-01), pages 603-611, XP000881397
- See references of WO 9641176A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 9641176 A1 19961219; EP 0838034 A1 19980429; EP 0838034 A4 20000524

DOCDB simple family (application)

US 9608776 W 19960605; EP 96918058 A 19960605