

Title (en)
COMBINED BIOMARKER MEASUREMENT OF FIBROSIS

Title (de)
KOMBINIERTE BIOMARKERMESSUNG VON FIBROSE

Title (fr)
MESURE DE LA FIBROSE PAR UNE ASSOCIATION DE BIOMARQUEURS

Publication
EP 3411716 A1 20181212 (EN)

Application
EP 17703944 A 20170202

Priority

- US 201615014241 A 20160203
- EP 2017052271 W 20170202

Abstract (en)
[origin: WO2017134172A1] Provided herein is a sandwich immunoassay for detecting cross-linked PIIINP that has at least two strands of PIIINP joined together by inter-strand cross-linking each having a C-terminal neo-epitope of PIIINP that is generated by N-protease cleavage of intact type III procollagen. A biological sample having the cross-linked PIIINP is contacted with a first surface-bound monoclonal antibody and then by a second monoclonal antibody, both specifically reactive with a neoepitope in the C-terminal sequence of PIIINP, and then binding of the second monoclonal antibody is determined. Also provided is a method for evaluating the efficacy of an antagonist drug targeting lysyl oxidases via the immunoassay and a kit containing a solid support binding the first monoclonal antibody and containing the second monoclonal antibody.

IPC 8 full level
G01N 33/577 (2006.01); **G01N 33/68** (2006.01)

CPC (source: EP KR)
G01N 33/577 (2013.01 - EP KR); **G01N 33/581** (2013.01 - KR); **G01N 33/6887** (2013.01 - EP KR); **G01N 2333/78** (2013.01 - EP KR); **G01N 2500/00** (2013.01 - KR); **G01N 2800/085** (2013.01 - EP KR); **G01N 2800/52** (2013.01 - EP KR); **G01N 2800/7052** (2013.01 - EP KR); **Y02A 50/30** (2018.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2017134172 A1 20170810; CA 3009445 A1 20170810; CA 3009445 C 20240319; CN 108431606 A 20180821; CN 108431606 B 20220405; EP 3411716 A1 20181212; JP 2019510210 A 20190411; JP 7094219 B2 20220701; KR 102668479 B1 20240522; KR 20180104648 A 20180921

DOCDB simple family (application)
EP 2017052271 W 20170202; CA 3009445 A 20170202; CN 201780005886 A 20170202; EP 17703944 A 20170202; JP 2018540058 A 20170202; KR 20187023013 A 20170202