

Title (en)
PROXIMITY ASSAY

Title (de)
PROXIMITÄTSASSAY

Title (fr)
DOSAGE DE PROXIMITÉ

Publication
EP 4103742 A4 20240605 (EN)

Application
EP 21753829 A 20210211

Priority
• US 202062975152 P 20200211
• US 2021013734 W 20210115
• US 2021017688 W 20210211

Abstract (en)
[origin: WO2021163349A1] The present disclosure provides assay methods for the detection and/or quantification of an analyte in a sample. In some examples, the methods detect and/or quantify an active analyte in a sample.

IPC 8 full level
G01N 33/577 (2006.01); **G01N 33/542** (2006.01); **G01N 33/58** (2006.01)

CPC (source: EP IL)
G01N 33/542 (2013.01 - EP IL); **G01N 33/577** (2013.01 - EP); **G01N 33/58** (2013.01 - EP)

Citation (search report)
• [Y] WO 03067210 A2 20030814 - UNIV LELAND STANFORD JUNIOR [US], et al
• [Y] US 2008261829 A1 20081023 - HARVEY JEANNE [US], et al
• [A] WO 2016000966 A1 20160107 - NESTEC SA [CH]
• [Y] NGUYEN ANNALEE W ET AL: "Identification of high affinity HER2 binding antibodies using CHO Fab surface display", PROTEIN ENGINEERING, DESIGN AND SELECTION, vol. 31, no. 3, 1 March 2018 (2018-03-01), GB, pages 91 - 101, XP093149973, ISSN: 1741-0126, DOI: 10.1093/protein/gzy004
• [Y] DONG YUAN ET AL: "Generation of a Monoclonal Antibody against D-Dimer Using HTS-Based LiCA", SLAS DISCOVERY: ADVANCING LIFE SCIENCES R&D, MARY ANN LIEBERT, vol. 25, no. 3, 27 September 2019 (2019-09-27), XP009526706, ISSN: 2472-5552, [retrieved on 20200229], DOI: 10.1177/2472555219878407
• [Y] EGLEN RICHARD M ET AL: "The use of AlphaScreen technology in HTS: current status", CURRENT CHEMICAL GENOMICS, BENTHAM OPEN, NL, vol. 1, 1 January 2008 (2008-01-01), pages 2 - 10, XP008176468, ISSN: 1875-3973, [retrieved on 20080225], DOI: 10.2174/1875397300801010002
• [Y] YUKAKO SENGU: "AlphaScreen-based homogeneous assay using a pair of 25-residue artificial proteins for high-throughput analysis of non-native IgG", SCIENTIFIC REPORTS, vol. 7, no. 1, 29 September 2017 (2017-09-29), US, XP093152676, ISSN: 2045-2322, Retrieved from the Internet <URL:https://www.nature.com/articles/s41598-017-12693-w.pdf> DOI: 10.1038/s41598-017-12693-w
• [Y] MUNEOKA SATOSHI ET AL: "Development of a novel immunoassay to select antibodies against intact membrane antigens by using the homogeneous AlphaLISA system", JOURNAL OF BIOSCIENCE AND BIOENGINEERING, ELSEVIER, AMSTERDAM, NL, vol. 126, no. 4, 29 May 2018 (2018-05-29), pages 522 - 526, XP085491491, ISSN: 1389-1723, DOI: 10.1016/J.JBIOSC.2018.04.018
• [Y] MIYAKAWA SHUJI ET AL: "Development of novel highly sensitive methods to detect endogenous cGAMP in cells and tissue", JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, vol. 480, 23 January 2020 (2020-01-23), XP086150152, ISSN: 0022-1759, [retrieved on 20200123], DOI: 10.1016/J.JIM.2020.112751
• [Y] JAE HEE LEE: "Biological Characterization of SB3, a Trastuzumab Biosimilar, and the Influence of Changes in Reference Product Characteristics on the Similarity Assessment", BIODRUGS, vol. 33, no. 4, 12 June 2019 (2019-06-12), NZ, pages 411 - 422, XP093153395, ISSN: 1173-8804, Retrieved from the Internet <URL:https://link.springer.com/content/pdf/10.1007/s40259-019-00362-5.pdf> DOI: 10.1007/s40259-019-00362-5
• [Y] WADHWA MEENU ET AL: "Immunogenicity assessment of biotherapeutic products: An overview of assays and their utility", BIOLOGICALS, ACADEMIC PRESS LTD., LONDON, GB, vol. 43, no. 5, 3 July 2015 (2015-07-03), pages 298 - 306, XP029269961, ISSN: 1045-1056, DOI: 10.1016/J.BIOLOGICALS.2015.06.004
• [A] "Taking protein phosphorylation measurement one step further", vol. 11807_02, 31 July 2014 (2014-07-31), pages 1 - 8, XP009510111, Retrieved from the Internet <URL:https://www.perkinelmer.com/lab-solutions/resources/docs/BRO_AlphaLISA_SureFire_Ultra.pdf>
• [A] HAOLIN LIU: "A Rapid Method to Characterize Mouse IgG Antibodies and Isolate Native Antigen Binding IgG B Cell Hybridomas", PLOS ONE, vol. 10, no. 8, 28 August 2015 (2015-08-28), US, pages e0136613, XP093153510, ISSN: 1932-6203, Retrieved from the Internet <URL:https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4552657/pdf/pone.0136613.pdf> DOI: 10.1371/journal.pone.0136613
• [A] SEREBRYANNYY LEONID A ET AL: "HiPLA: High-throughput imaging proximity ligation assay", METHODS, vol. 157, 10 November 2018 (2018-11-10), pages 80 - 87, XP085615567, ISSN: 1046-2023, DOI: 10.1016/J.YMETH.2018.11.004
• See also references of WO 2021163349A1

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

DOCDB simple family (publication)
WO 2021163349 A1 20210819; AU 2021218706 A1 20220922; CA 3170531 A1 20210819; CN 115362263 A 20221118;
EP 4103742 A1 20221221; EP 4103742 A4 20240605; IL 295335 A 20221001; JP 2023513578 A 20230331; MX 2022009783 A 20221109

DOCDB simple family (application)
US 2021017688 W 20210211; AU 2021218706 A 20210211; CA 3170531 A 20210211; CN 202180027741 A 20210211;
EP 21753829 A 20210211; IL 29533522 A 20220803; JP 2022548655 A 20210211; MX 2022009783 A 20210211