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(54) **BISPECIFIC ANTIBODY OR ANTIBODY MIXTURE WITH COMMON LIGHT CHAINS**

BISPEZIFISCHER ANTIKÖRPER ODER ANTIKÖRPERMISCHUNG MIT GEMEINSAMEN
LEICHTEN KETTEN

ANTICORPS BISPÉCIFIQUE OU MÉLANGE D'ANTICORPS AVEC DES CHAÎNES LÉGÈRES
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(56) References cited:
WO-A1-2015/091738 CN-A- 1 668 636
CN-A- 103 796 678

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- J. JACKMAN ET AL: "Development of a Two-part Strategy to Identify a Therapeutic Human Bispecific Antibody That Inhibits IgE Receptor Signaling", JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 285, no. 27, 2 July 2010 (2010-07-02) , pages 20850-20859, XP055002016, ISSN: 0021-9258, DOI: 10.1074/jbc.M110.113910
- LI B ET AL: "Bispecific antibody to ErbB2 overcomes trastuzumab resistance through comprehensive blockade of ErbB2 heterodimerization", CANCER RESEARCH, AACR, US PHILADELPHIA, PA, vol. 73, no. 21, 1 November 2013 (2013-11-01), pages 6471-6483, XP002726071, ISSN: 1538-7445, DOI: 10.1158/0008-5472.CAN-13-0657 [retrieved on 2013-09-17]
- FRANKLIN M C ET AL: "Insights into ErbB signaling from the structure of the ErbB2-pertuzumab complex", CANCER CELL, CELL PRESS, US, vol. 5, no. 4, 1 April 2004 (2004-04-01), pages 317-328, XP002372929, ISSN: 1535-6108, DOI: 10.1016/S1535-6108(04)00083-2
- LIN, GUIGAO: 'Identification of natural bispecific antibody against hepatitis C virus NS3 and NS5 proteins C patients and the study of producing mechanism of the NS3/NS5 bispecific antibody' MEDICINE & PUBLIC HEALTH, CHINA DOCTORAL DISSERTATIONS FULL-TEXT DATABASE 15 February 2014, pages 21 - 26, XP009504575
- LIN, GUIGAO: 'Identification of natural bispecific antibody against hepatitis C virus NS3 and NS5 proteins C patients and the study of producing mechanism of the NS3/NS5 bispecific antibody' MEDICINE & PUBLIC HEALTH, CHINA DOCTORAL DISSERTATIONS FULL-TEXT DATABASE 15 February 2014, XP009504575