Haematologica HAEMATOL/2018/207266 Version 4

CD20 and CD37 antibodies synergize to activate complement by Fc-mediated clustering

Simone C. Oostindie, Hilma J. van der Horst, Margaret A. Lindorfer, Erika M. Cook, Jillian C. Tupitza, Clive S. Zent, Richard Burack, Karl R. VanDerMeid, Kristin Strumane, Martine E.D. Chamuleau, Tuna Mutis, Rob N. de Jong, Janine Schuurman, Esther C.W. Breij, Frank J. Beurskens, Paul W.H.I. Parren, and Ronald P. Taylor

Disclosures: SCO, KS, RNdJ, JS, ECWB and FJB are Genmab employees and own Genmab warrants and/or stock. PWHIP owns Genmab warrants and/or stock. SCO, HJH, MAL, KS, MEDC, TM, RNdJ, JS, ECWB, FJB, PWHIP and RPT are inventors on Genmab patent applications.

Contributions: SCO, HJH, MAL, EMC, JCT, MEDC, TM, ECWB, FJB, PWHIP and RPT conceived and designed the experiments. SCO, HJH, MAL, EMC, JCT performed the experiments and analyzed the data. CSZ, RB and KRVDM provided expertise and primary patient material. JS, FJB and RNdJ provided expertise on the biology of antibody hexamerization. SCO wrote the manuscript. KS, ECWB, PWHIP and RPT supervised reviewing and/or revising the manuscript. HJH, MAL, MEDC, TM, RNdJ and FJB reviewed and/or revised the manuscript.