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Title: Comprehensive Analysis of the Activation and Proliferation Kinetics and Effector Functions of Human Lymphocytes, and Antigen Presentation Capacity of Antigen-Presenting Cells in Xenogeneic Graft-Versus-Host Disease

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1 **Research Article**

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3 **Comprehensive analysis of the activation and proliferation kinetics and effector**
4 **functions of human lymphocytes, and antigen presentation capacity of**
5 **antigen-presenting cells in xenogeneic graft-versus-host disease**

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17 Phone: +81-285-58-7353; Tel: +81-285-44-5258; E-mail: ycanda-tky@umin.ac.jp18 **Short Running title:** Immunobiology of xenogeneic GVHD19 **Text word count:** 455320 **Abstract word count:** 24521 **Number of figures and tables:** 7 figures

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