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IMMUNOCHEMISTRY

N. Haeffner-Cavaillon, M. Klein, and K. J. Dorrington 1905 Studies on the Fcγ Receptor of the Murine Macrophage-Like Cell Line P388D₁, I. The Binding of Homologous and Heterologous Immunoglobulin G

N. Haeffner-Cavaillon, K. J. Dorrington, and M. Klein 1914 Studies on the Fcγ Receptor of the Murine Macrophage-Like Cell Line P388D₁, II. Binding of Human IgG Subclass Proteins and Their Proteolytic Fragments

K. P. Kato, T. J. Wang, and W. J. Esselman 1977 Radiolabeling and Isolation of Thy-1 Active Glycolipids from Murine Brain and Lymphoma Cell Lines

T. Kinoshita, K. Hong, and K. Inoue 1989 C₉ Hemolytic Activity of the Soluble C₅b-₉ Complex of Guinea Pig Complement, Analogous to Human SC₅b-₉

E. Severinson Gronowicz, C. Doss, F. Assisi, E. S. Vitetta, R. L. Coffman, and S. Strober 2049 Surface Ig Isotypes on Cells Responding to Lipopolysaccharide by IgM and IgG Secretion

E. Severinson Gronowicz, C. Doss, and J. Schröder 2057 Activation to IgG Secretion by Lipopolysaccharide Requires Several Proliferation Cycles

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IMMUNOGENETICS AND TRANSPLANTATION

O. Vainio and A. Toivanen 1960 Maturation of Bursal Stem Cells within Allogeneic or Syngeneic Bursal Microenvironment: Acquisition of Postbursal Maturity
D. H. Sachs, J. S. Arn, and T. H. Hansen 1965 Two New Recombinant H-2 Haplotypes, One of Which Juxtaposes K\(^a\) and I\(^a\) Alleles
K. Yokomuro and A. S. Rosenthal 2019 Genetically Restricted Immune Responses in Guinea Pigs Primed in Vivo with Antigen-Bearing Macrophages
H. Ishikawa and R. W. Dutton 2034 Young F1 Mice Spontaneously Generate Cytotoxic T Cells against Parental Targets
J. L. Claflin, J. Wolfe, and V. J. Ruppert 2088 Structural Evidence for Recombination at the Igh (H Chain) Complex Locus in BAB 14 Mice
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A. K. Bhan, V. Kumar, and M. Bennett 1952 Differential Growth of Allogeneic Bone Marrow and Leukemia Cells in Irradiated Guinea Pigs
M. Wolcott, J. W. Pickering, and J. L. Williams 1985 Inhibition of Growth of ASL-1w Murine Leukemia Cells by Anti-thymus Leukemia Antigen (TL) Serum in the Absence of Complement
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