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N. Haeflner-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
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