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Influence of serum antibodies to DNA on the Madin-Darby canine kidney epithelial cells in vitro in depend of immunoreactive regions of the IgG molecule

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Abstract

The data obtained on cell lines MDCK showed that for implementation of the biological function of antibodies to DNA both normal and pathological need the participation as Fab- and Fc-fragments of molecules of IgG. However, antigen-binding region is responsible for the manifestation of the biological function of SLE antibodies to DNA more immunoreactive than antibodies in normal and constant region is probably responsible for the active conformation of antibody for pathobiological function of antibodies to DNA in the cell.

Keywords

Antibodies to DNA, MDCK, Systemic lupus erythematosus