

Keywords and Phrases for Antibody Structure

activates the classical complement pathway (IgG & IgM)

Antibodies or immunoglobulins are specific glycoprotein configurations produced by B-lymphocytes and plasma cells in response to a specific antigen and capable of reacting with that antigen.

binds to receptors on mast cells, basophils, and eosinophils (IgE)

binds to receptors on phagocytes for opsonization (IgG)

IgG, IgD, and IgE

IgM

provides specificity for binding an epitope on an antigen; The first 110 amino acids or first domain of both the heavy and light chain

responsible for the biological activity of the antibody

secretory IgA