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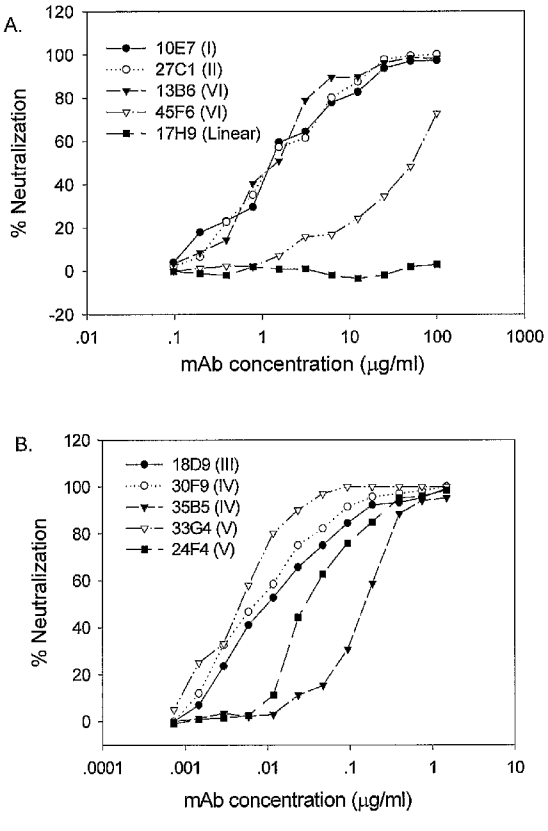
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(54) Title: NEUTRALIZING MONOCLONAL ANTIBODIES AGAINST SEVERE ACUTE RESPIRATORY SYNDROME-ASSOCIATED CORONAVIRUS



(57) Abstract: The present invention provides an isolated antibody capable of binding to the receptor- binding domain of the spike protein of the severe acute respiratory syndrome-associated coronavirus (SARS-CoV) so as to competitively inhibit the binding of the SARS-CoV to host cells. These mAbs or substances can be used: 1) as passive-immunizing agents for prevention of SARS-CoV infection; 2) as biological reagents for diagnosis of SARS-CoV infection; 3) as immunotherapeutics for early treatment of SARS-CoV infection; and 4) as probes for studying the immunogenicity, antigenicity, structure, and function of the SARS- CoV S protein.

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