

The importance of sequencing in vaccine trials

Alt-text Figure 4 - Antibodies attaching to the Spike protein on the surface of the SARS-CoV-2 virus, to prevent the virus from attaching to ACE2 Receptors on human cells

Antibodies and spike. A virus is about to infect a host cell. The human cell has viral receptors on its surface. Antibodies bind to the viral spike protein, preventing the attachment of virus-cell

Alt-text Figure 5 - Characterizing SARS-CoV-2 antibodies

Tri-dimensional structure of SARS-CoV-2 Receptor-Binding Domain (RBD). A grey walnut-shaped structure is located in the middle representing the RBD. Four pleated-strand-shaped structures representing antibody classes surround the RBD.