



Figure1 :The number of B cells and level of antibody in first and repeated infection.

*The first wave is primary immune response, naive B cell become activated, and differentiate into antibody-secreting cells that produce antibodies specific for the antigen from corona virus. Long-lived memory B cells are generated during the primary response. The second immune response is elicited when the same antigen stimulates these memory B cells, leading to rapid proliferation and differentiation and production of greater quantities of specific antibody than are produced in the primary response.*