

## 세미나 초록

<b>발표주제</b>	The application of antibody discovery platform
<b>발표내용</b>	<p>Antibody therapy is most effective in preventing and initial treatment of viral infection. Therefore the method of developing viral antibody therapy is also important. Methods for developing virus neutralizing antibody include synthetic library-based in vitro display, mouse immunization method, and convalescent patient's blood. Accordingly, this presentation will describe two case studies of antibody development using immune libraries traditional mouse immunization and immune profiling of the blood of healthy adults.</p> <p>First, we developed a humanized monoclonal antibody against the receptor-binding domain of SARS-CoV-2 through traditional mouse immunization. Second, we developed a fully human monoclonal antibody against the F protein of RSV through immune profiling of the blood of healthy adults and convalescent children.</p>