

Secretome Library of Healthy Adult LCL

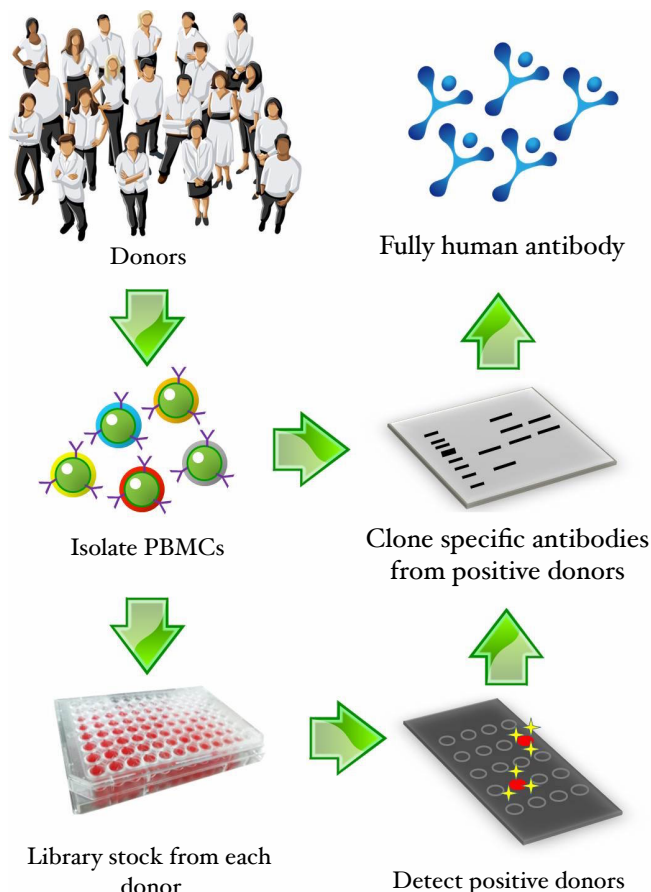
By using human Peripheral Blood Mononuclear Cells (PBMC) isolated from various racial groups, it is possible to isolate human antibody against specific antigens.

By using a secretome library of healthy adult LCL, we can directly assess the possibilities to acquire antibodies against a target antigen!!
 Healthy adult library system is a remarkably smart method to confirm the possibilities to acquire a particular antigen-reacting antibody

The antibodies that are produced by a person's immune system following an infection do not normally remain in circulation after the person recovers. In such condition, although the antibody titer is low, it is possible for the immune system to produce the same type of antibodies when the infection reoccurs. Thus, the serum antibody titer and antibody acquisition potential do not necessarily correlate to each other. Our company has developed a secretome library from the culture supernatant of healthy adult LCL, derived from antibody-producing cells (including the memory B cells) using the EBV method.

What is the secretome library of healthy adult LCL?

The secretome library of healthy adult LCL was prepared from mononuclear cells that are isolated from 100-200 ml of blood from 100 healthy donors. By examining the presence or absence of a target antibody in the culture supernatant of each donor's LCL, it is possible to find suitable donor(s) for a target antibody. By using this system, it is possible to effectively clone the DNA for antibodies against certain antigen.



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