

Cloning, Assembly and Modification of Immunoglobulin Genes and Their Derivatives.

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Synbuild is a molecular biological service provider specializing in cloning, assembly and modification of immunoglobulin genes. We have developed a technology enabling fast and efficient cloning, assembly and modification of immunoglobulin genes from hybridomas and lymphocyte enriched cell preparations. Our unique cloning process automatically identifies completely recombined immunoglobulin genes and eliminates all others. Our proprietary "span-on" vectors allow quick reassembly of the identified genes into scFv, Fab or IgG encoding cassettes that can be used for transient or stable production of native or recombinant immunologically active proteins. In addition to fast and flexible gene assembly our "span-on" vectors significantly simplify chimerization, framework swapping, affinity maturation and other manipulations with immunoglobulin genes. We are looking for an opportunity to expand use of our technology beyond on demand gene cloning and modification and are seeking a partnership and/or collaboration on a high economical impact project that would lead to developing of new therapeutic or diagnostic approaches and reagents.