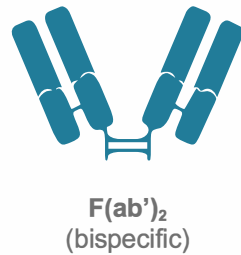
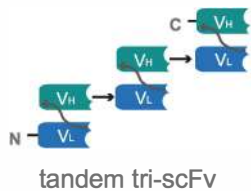
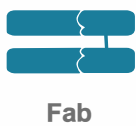
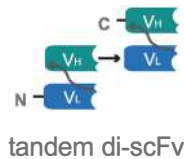
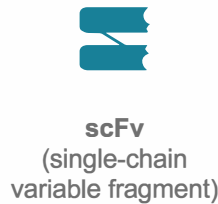
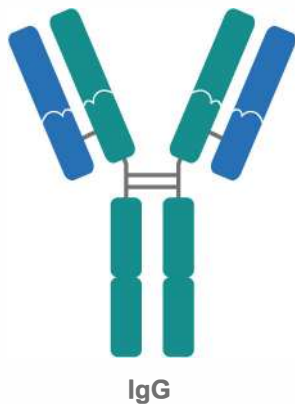


Recombinant Antibody Production

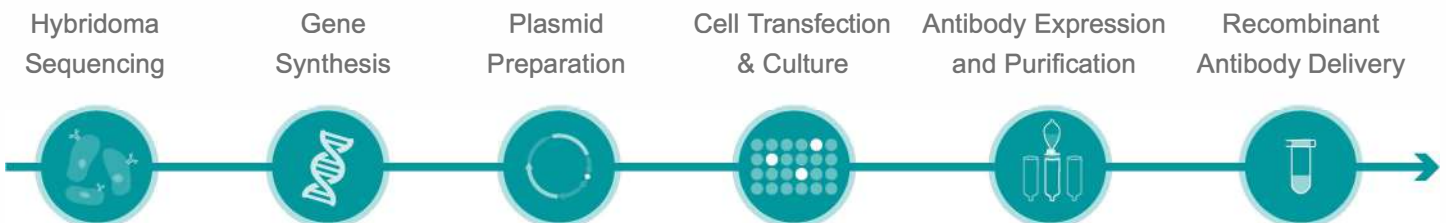
The production of engineered antibodies has helped advance the progress of research projects and drug development. Synbio Technologies has continued to serve this progression by offering our clients recombinant antibody preparation services, including full-length antibodies (IgG), single chain antibodies (scFv), antigen binding fragments (Fab), and bispecific antibodies. Our comprehensive antibody engineering solutions take your projects from hybridoma sequencing to antibody expression, in as few as 2-3 weeks.



Why Trust Synbio Technologies?

- > Our **experienced team** has successfully delivered more than 10,000 projects.
- > We offer a **full suite of solutions**, saving you time and money on outsourcing needs.
- > Our proven processes and proprietary systems allow us to deliver your projects in as few as **2-3 weeks**.
- > Our **quality** speaks for itself. We have delivered thousands of projects with a >95% success rate.

Service Procedure



Recombinant Antibody Production

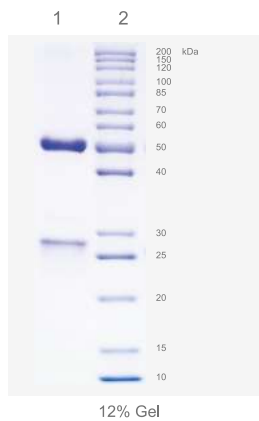
Service Specifications

Projects	Service Details	Deliverables
Antibody Discovery	Hybridoma sequencing or immune repertoire sequencing (optional)	Antibody gene sequencing report
Gene Synthesis	<ul style="list-style-type: none"> • Gene synthesis and vector construction: IgG, Fab, scFv, VHH, BsAb, etc. • Plasmid Preparation 	2-5 µg lyophilized plasmids
Recombinant Antibody Expression and Purification	<ul style="list-style-type: none"> • Cell transfection & culture • 30 ml, 100 ml, 200 ml or more larger scale recombinant antibody expression • Antibody affinity purification and purity detection (SDS-PAGE, SEC-HPLC), purity > 95% • Endotoxin: <1 EU/mg 	<ul style="list-style-type: none"> • Antibody products • QC report

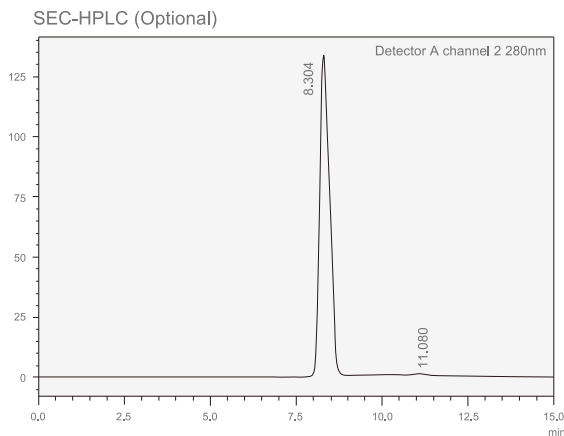
Case Study

Obtaining accurate expression and high-purity antibodies is directly related to the results of subsequent experiments. Clients only need to provide gene sequences, taking IgG as an example, and the purity is >95% detected by SDS-PAGE. For accurate detection, the SEC-HPLC detection method can be used, which can be up to 99.5% correct. Endotoxin in antibodies increase to the minimum standard, < 1 EU/mg, which allows clients to achieve better efficacy in subsequent experiments.

SDS-PAGE



Lane 1: Recombinant Antibody IgG, Reducing
Lane 2: Protein Marker



Detector A Channel 2 280nm

Peak#	Ret.Time	Area	Height	Conc.
1	8.304	2782111	124129	99.524
2	11.080	2427374	722	0.476
Total		2795426	124850	

QC Results		
Test Items	Assay Description	Results
Purity	SDS-PAGE	>95%
Purity (Optional)	SEC-HPLC	99.524%
Endotoxin	LAL method	<1 EU/mg



quote@synbio-tech.com



+1 732.230.3003



synbio-tech.com