



Multi-Hybridoma Conversion Service Moving a Hybridoma Collection to Recombinant Production

Absolute Antibody enables reagent companies with a monoclonal antibody portfolio to start converting their hybridoma library to a recombinant protein library, using our proven recombinant technology. Our FleXpress™ high-throughput production service offers customers the flexibility to rapidly express a large number of recombinant antibodies, providing a cost-effective way to test recombinant production and take advantage of its many benefits, including batch-to-batch reproducibility, antibody engineering, and guaranteed long-term supply.

We'd start with a pilot project of around 100 hybridoma clones, using the workflow described below. Once you confirm our recombinant antibodies are functionally equivalent to the original hybridoma-derived parent versions, additional bulk hybridoma batches can be converted to recombinant protein at deep discounts. We tailor every project to the needs and requirements of the client and provide free consultation to ensure a successful outcome.



- High-throughput NGS
- Delivers all variable and constant domains
- Customer receives full sequence analysis report

Gene Synthesis and Cloning

Sequences cloned into vectors optimized for our expression system

Antibody Expression and Purification

- Utilizes our proven HEXpress[™] platform
- All production occurs in ISO-certified UK facility
- Serum-free, mammalian transient expression resulting in high purity and low endotoxin levels
- Fixed 80 ml production
- Antibodies can be delivered as any species, isotype or subtype upon request

Antibody Assessment

Customer compares parent and recombinant antibodies to determine functional equivalence; you only pay for functional antibodies.

Next Steps

- Customer owns sequences
- Vectors released for a fee
- You can partner with us on larger-scale production

Case Study: The Absolute Antibody Catalog

At Absolute Antibody, we've built our own recombinant antibody catalog using this production platform. We've taken 1,250 unique antibody clones and recombinantly produced them in different engineered formats to offer a reagents catalog of nearly 5,000 antibodies. In 2019 alone, we produced nearly 4,000 different recombinant antibodies, making 120 grams of protein in total.