

Recombinant antibodies and services for research and diagnostics

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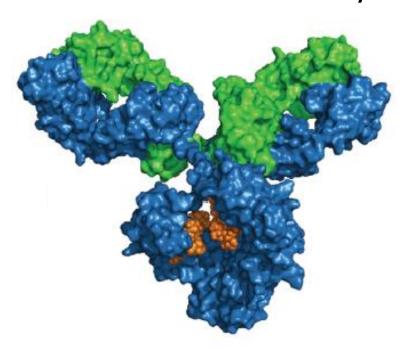
What is a Recombinant Antibody?

Typical reagent antibody



- Hybridoma derived
- Unknown sequence
- ◆ Monoclonal....?

Recombinant antibody



- Defined sequence
- Cloned and expressed in a recombinant system
- ◆ Monoclonal



Company Summary

Founded in December 2012

- Dr Nicholas Hutchings (CEO), Founder Everest Biotech
- Prof Neil Barclay (Chairman), Sir William Dunn School of Pathology
- Prof Geoff Hale, Founder BioAnaLab, one of team that developed Campath/Alemtuzumab
- Tim Bernard, Former MD of AbD Serotec

Vision

 All antibodies should be defined by their amino-acid sequence and produced recombinantly (established and novel mAbs). Researchers in academia and industry alike should have easy access to recombinant antibody technology and services.

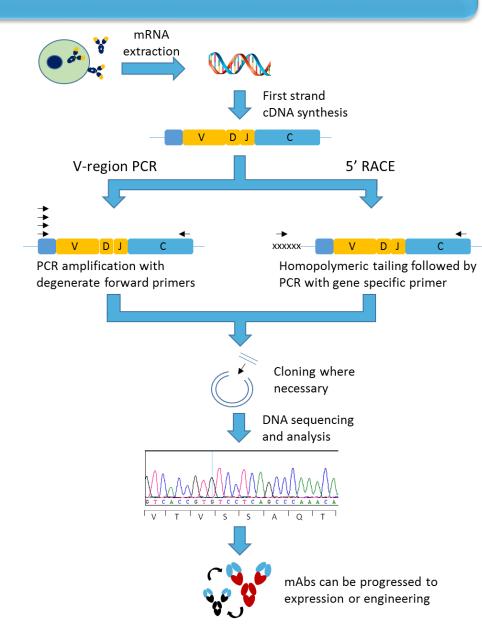
Core technologies industrialised

- Hybridoma sequencing
- Antibody engineering
- Transient transfection of mammalian cells
- Services (basic research to pre-clinical development)
- Recombinant antibody catalogue



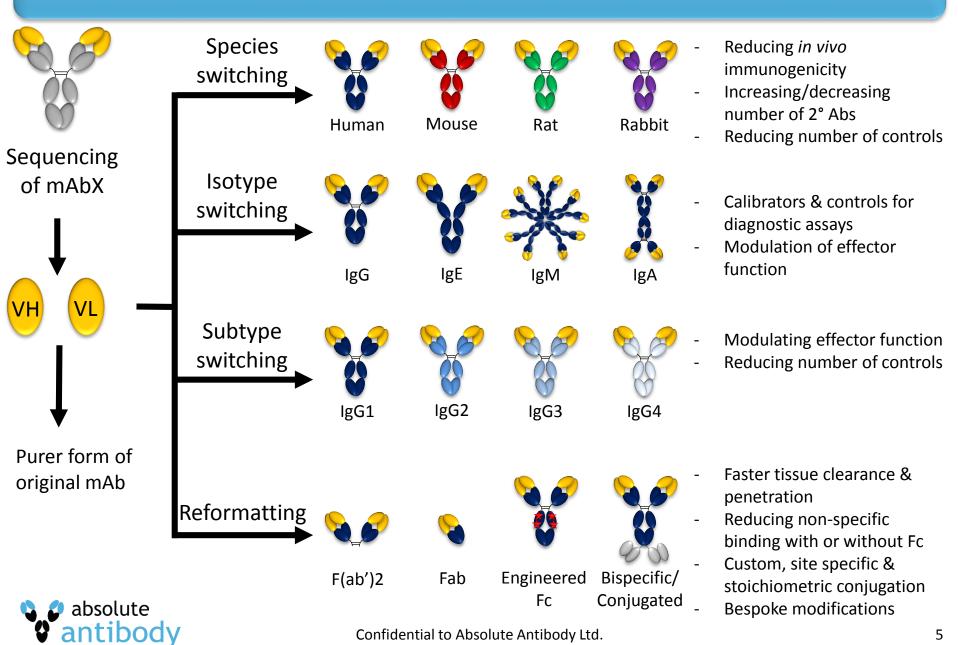
Hybridoma Sequencing Service

- Sequencing of mouse or rat hybridomas
- Two alternative approaches –V-region PCR and 5' RACE
- Both approaches include a proprietary step to reduce the identification of aberrant chains
- Typical turnaround time of 2 weeks. No sequence – no fee.





Antibody Engineering Service



Antibody Expression Service

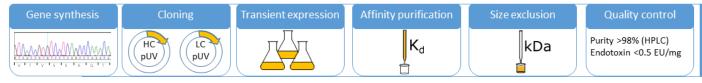
HE Xpress

- Serum free expression in HEK293 cells (CHO optional)
- ◆ Typical yields 50-400 mg/l
- Purification by Protein A (IMAC, IEC or lectin columns)
- High purity and low endotoxin levels guaranteed
- Quantities from milligrams to grams in a matter of weeks
- ◆ Service is very customisable to meet specific requirements











Catalogue of Recombinant Antibodies

- Classic markers, research-grade biosimilars, mAbs for in vivo studies, research tools (e.g. anti-epitope, isotype controls, anti-DNA quadruplex)
- Antibodies from human patients (in collaboration with A. Lanzavecchia/Humabs)
- Anti-Flavivirus (Dengue, WNV, Zika), Influenza, CMV, HRSV, SARS
- ◆ Anti-Plasmodium & Anti-trypanosomatid

◆ Any antibodies you might want to commercialise?



Summary

- Switching to a recombinant system gives you a superior version of your antibody
 - Reproducibility

Purity

Flexibility

- Security
- Services We can help you sequence, express and engineer as a custom service
- Get in touch: sales@absoluteantibody.com



Hybridoma sequencing



Antibody expression



Antibody engineering

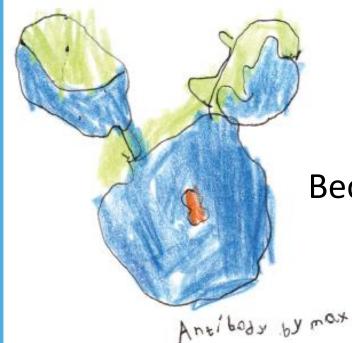


Reagents catalogue



Are you buying this?

...or this?



Because your research isn't child's play!

Sequenced, recombinant and engineered antibodies



sequencing



Antibody expression



Antibody engineering



Reagents catalogue

