

# Antibody Optimization

## Do you need to improve your antibody ?

Do you need a more potent antibody with enhanced biophysical profile or would you like to turn an existing antibody into a second-generation antibody with best in class properties ?

Work with us. You will benefit from using our innovative antibody optimization platform. In just a few months we return your antibody in optimized version, all according to your desire. Our dedication and long-term experience ensure you that a project will be completed on time and to your full satisfaction.

## Antibody features that can be optimized

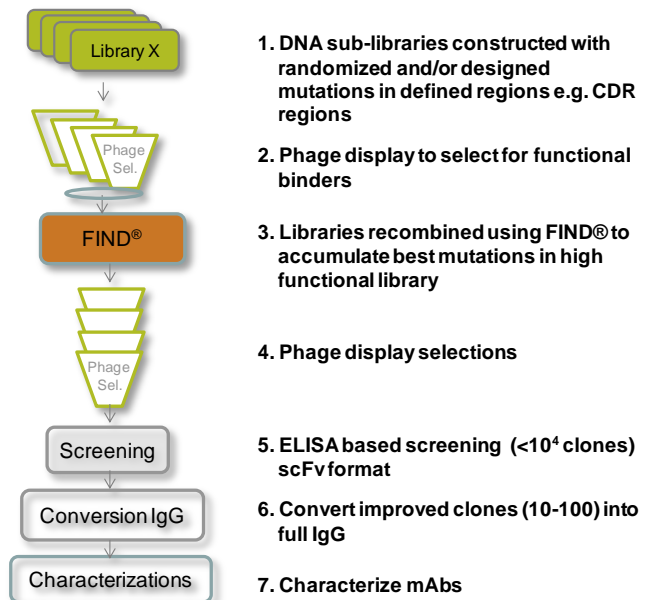
- Affinity (mM – fM)
- Specificity (to a specific target)
- Cross-reactivity (species)
- Selectivity (within a protein family)
- Stability (serum, shelf-life, temperature, pH)
- Expression optimization
- Effector function
- Antigenicity
- ....and more



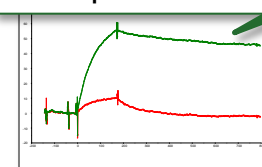
## Platform Technology

Alligator Bioscience's powerful, flexible and multiparameter *in vitro* based optimization technology creates functional antibody libraries from which optimal versions of your antibody can be selected.

The technology can redesign virtually any antibody characteristics which can be translated into significant clinical benefits, including higher efficacy and potency, improved safety profile and decreased antigenicity.



**BIACore result after one round optimization**



Affinity increased >100 times to ~10pM

← Optimized antibody

← Starting antibody



## About the Company

Alligator Bioscience serves the pharmaceutical and biotech industry and has successfully collaborated with industry leaders, including AstraZeneca, Bayer Healthcare and Wyeth, helping them to build more competitive pipelines.

Alligator Bioscience has expertise in:

- *in vitro* evolution
- developing assays
- high throughput expression
- high throughput screening

## Contact details

If you have decided to explore the possibilities of your antibody, please contact us. We are pleased to describe our offer, including time frames, costs and details about our platform technology.

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