



## **Antibody Humanization**



10-year experience300+ antibody humanization projects delivered



As fast as 6 weeks to get desired humanized antibody



Combining CDR-grafting with structure-based back mutation



Guarantee comparable binding affinity with parental antibody

### **Deluxe Package**

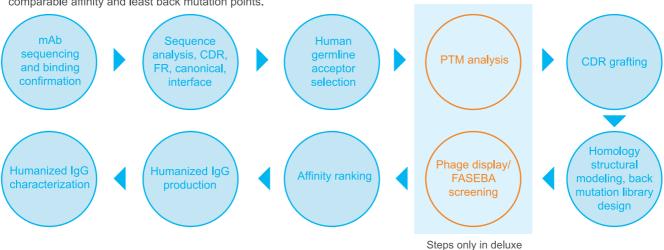
- Patented FASEBA(Fast Screening for Expression, Biophysical-properties and Affinity) screening platform to screen affinity, thermostability, expression level & epitope, no royalty burden
- Guaranteed delivery of best humanized antibodies with comparable affinity and least back mutation points.

## **Express Plus Package**

• Fast turnaround time: 6 weeks

package

 Guaranteed at least one humanized antibody with comparable affinity with parental antibodies





# **Affinity Maturation**

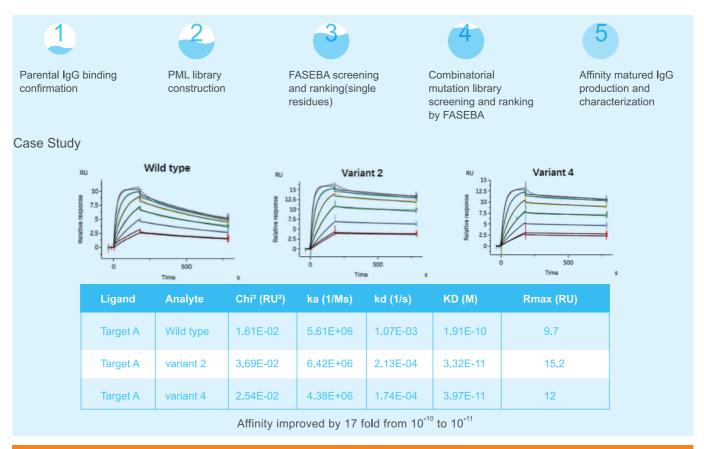
- 30+ affinity maturation projects delivered
  - As fast as 8 weeks to deliver your antibody sequences with desired affinity

#### **PML Library Based Deluxe Package**

#### Guarantee 5-10 fold affinity improvement

In a PML (precise mutagenesis library) library, saturation mutations are performed on about 65 amino acids in all six CDR regions. Each amino acid is mutated into the other 19 amino acids with the same distribution.

Together with FASEBA screening we can guarantee to increase the antibody affinity to target antigen by 5-10 fold. In our past case, we have successfully increased the affinity by 100 fold from  $10^{-10}$  to  $10^{-12}$ .



#### **Phage Display Library Based Economical Package**

Guaranteed affinity improvement to nM level, starting from \$37K

