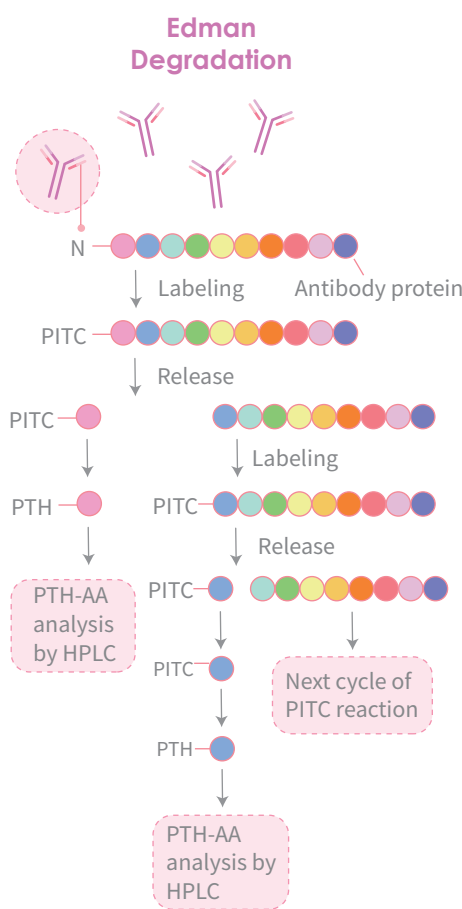
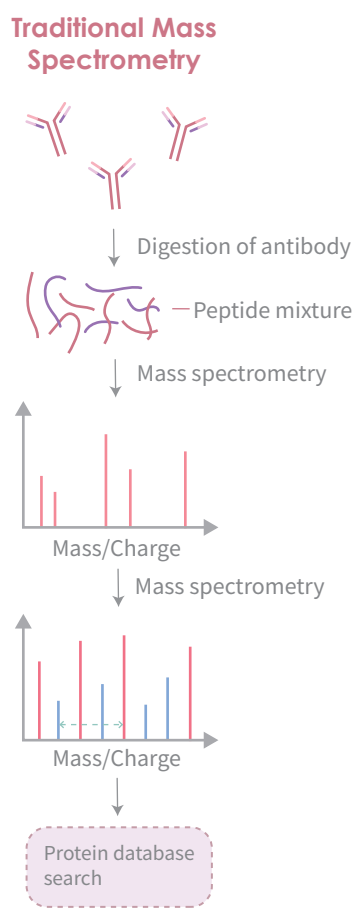


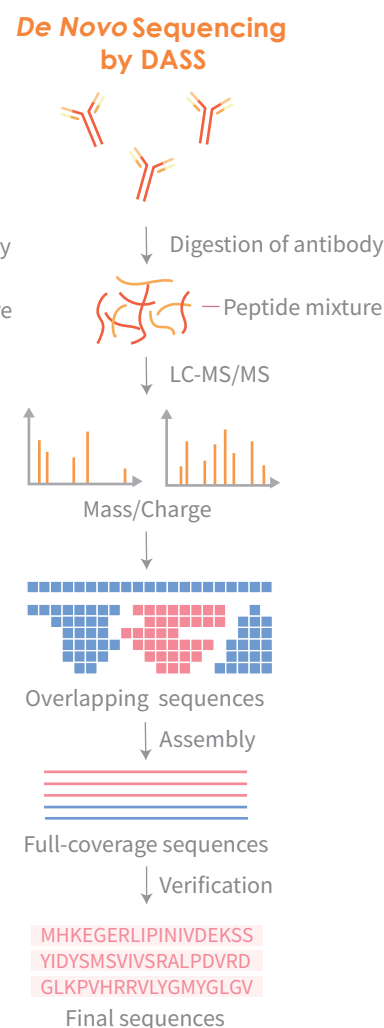
1 Methods for Monoclonal Antibody Sequencing



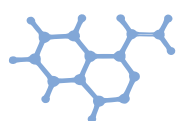
- ☒ N-terminally blocked protein
- ☒ Simultaneous analysis of multiple proteins



- ☒ New protein sequencing
- ☒ Analysis of isobaric amino acids of identical mass and similar chemical properties



2 Advantages of De Novo Sequencing by DASS



Resolve N-terminally blocked protein



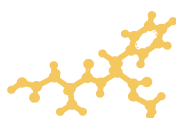
Identify new protein



100% coverage of VJ and VDJ regions



High-throughput compatibility



Accurately distinguish leucine from isoleucine



100% accuracy in determining the antibody sequences

WHAT WE DO:

- » **De Novo Biosimilar Monoclonal Antibody Sequencing Service**
- » **De Novo Single Domain Antibody Sequencing Service**
- » **De Novo Rabbit Antibody Sequencing Service**
- » **De Novo Chicken IgYs Sequencing Service**

- » **De Novo TCR (T Cell Receptor) Sequencing Service**
- » **De Novo Human/Humanized Antibody Sequencing Service**
- » **De Novo Rodent Antibody Sequencing Service**
- » **Hybridoma Sequencing Service**

Monoclonal antibody sequencing plays a significant role in enhancing antibody affinity and humanization through obtaining the first-order antibody sequence, which acts as the basis and prerequisite in the research and development of antibody generic drugs. Direct sequencing analysis of existing antibody products on the market is a shortcut to developing antibody drugs, antibody diagnostic reagents and other antibody products. Therefore, a highly efficient and more accurate sequencing technology is needed by all the researchers in the relevant field, which would also significantly enhance the precision medicine accordingly.

The R&D team of Creative Biolabs has achieved an unparalleled breakthrough based on the proprietary **Database Assisted Shotgun Sequencing (DASS)** technology, which enable the precise identification of leucine and isoleucine, determining the antibody sequences with 100% accuracy. This valuable breakthrough helps to better carry out functional analysis and verification, and to lay a good foundation for downstream application in a cost-effective way.

Creative Biolabs
De Novo Antibody Sequencing Services