

ONLY
2
WEEKS

**FROM GENE SEQUENCE TO
PURIFIED ANTIBODY
IT ONLY TAKES **2 WEEKS****

Join forces with Biointron, a trusted ally to over 1,500 global pharma and biotech companies, with a track record of delivering more than 80,000 antibodies, demonstrating our unmatched drive for healthcare innovation.

HTP RECOMBINANT ANTIBODY PRODUCTION

Biointron's high-throughput antibody production service offers the most cost-effective solution for generating recombinant antibodies. With our service, you have the flexibility to choose between delivering either supernatant or purified antibodies (from microgram to gram level). From gene synthesis to purified antibodies (IgG, scFv, VHH, etc.), we deliver as fast as 2 weeks.



High Throughput
3000+ molecules/batch

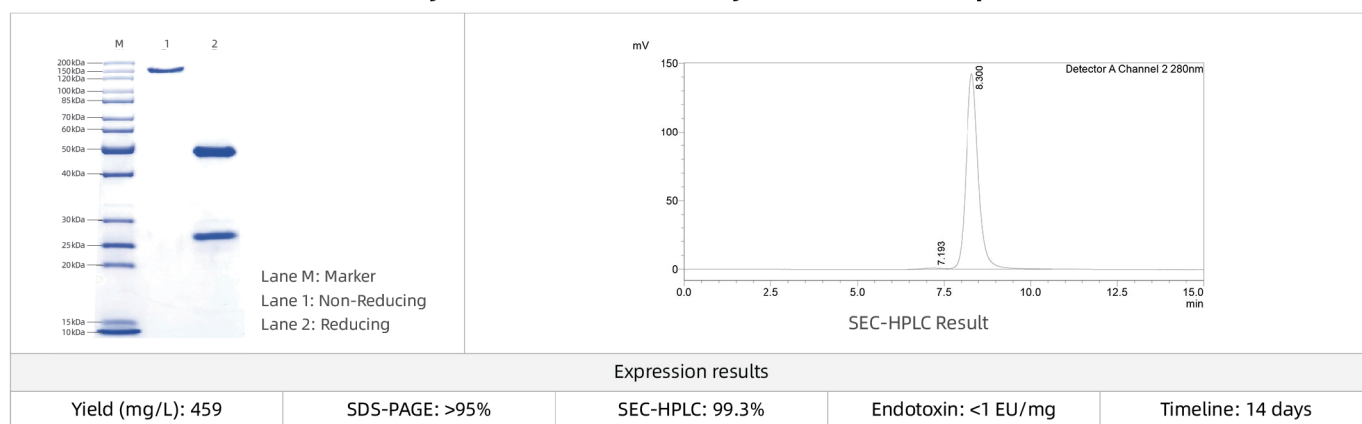


Customized Service
Any isotype, any species



Fast Turnaround Time
As fast as 2 weeks

Case Study: Anti-PD1 Antibody Small Scale Expression



LARGE SCALE ANTIBODY PRODUCTION



Consistency

All products come from one batch,
SDS-PAGE >95%, SEC-HPLC >95%,
endotoxin level <0.1 EU/mg



Fast Turnaround Time

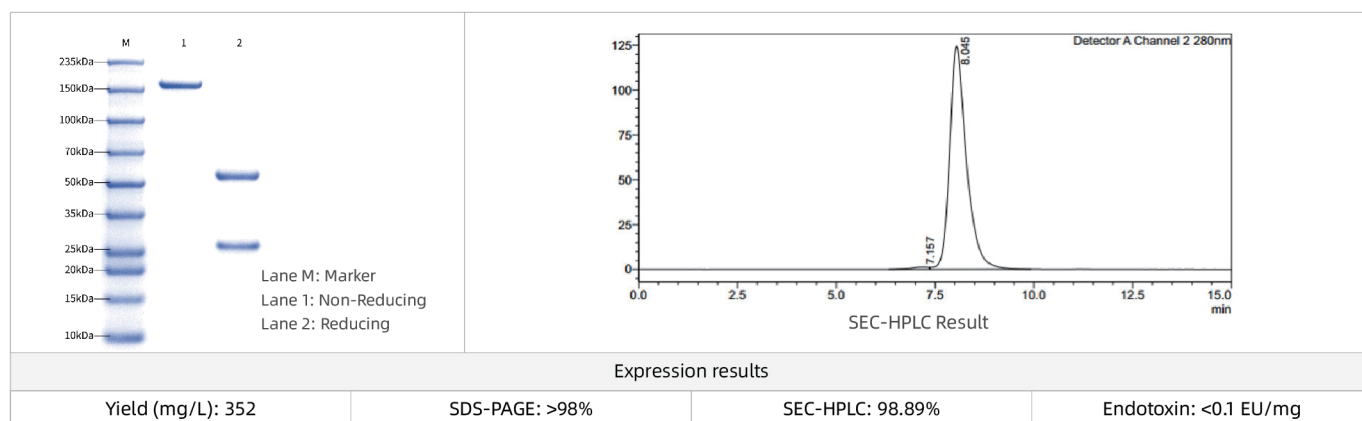
As fast as 4 weeks for gram-level production



Large Capacity

Up to hundred grams

Case Study: 1 gram mAb Production in CHO cells



BISPECIFIC ANTIBODY (BsAb) PRODUCTION

Biointron has extensive experience in expressing bispecific antibodies. We have successfully expressed thousands of them, and most format can be expressed.

Deliverables

Purified antibody

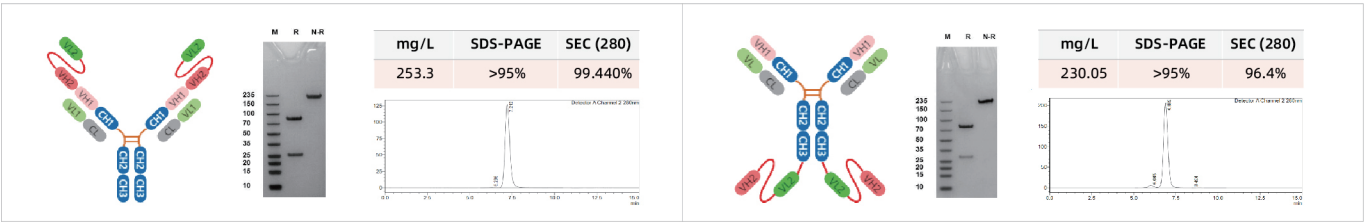
(SDS-PAGE >95%, endotoxin level <1 EU/mg, SEC-HPLC detection)

Expression plasmids containing the gene of interest

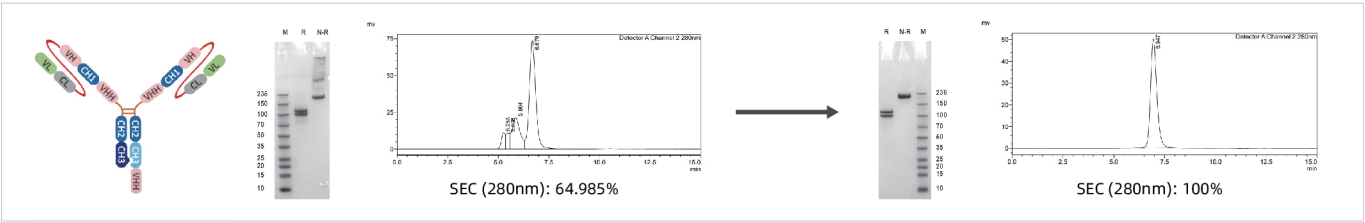
COA report

Case Study

One step of purification, IgG-scFv

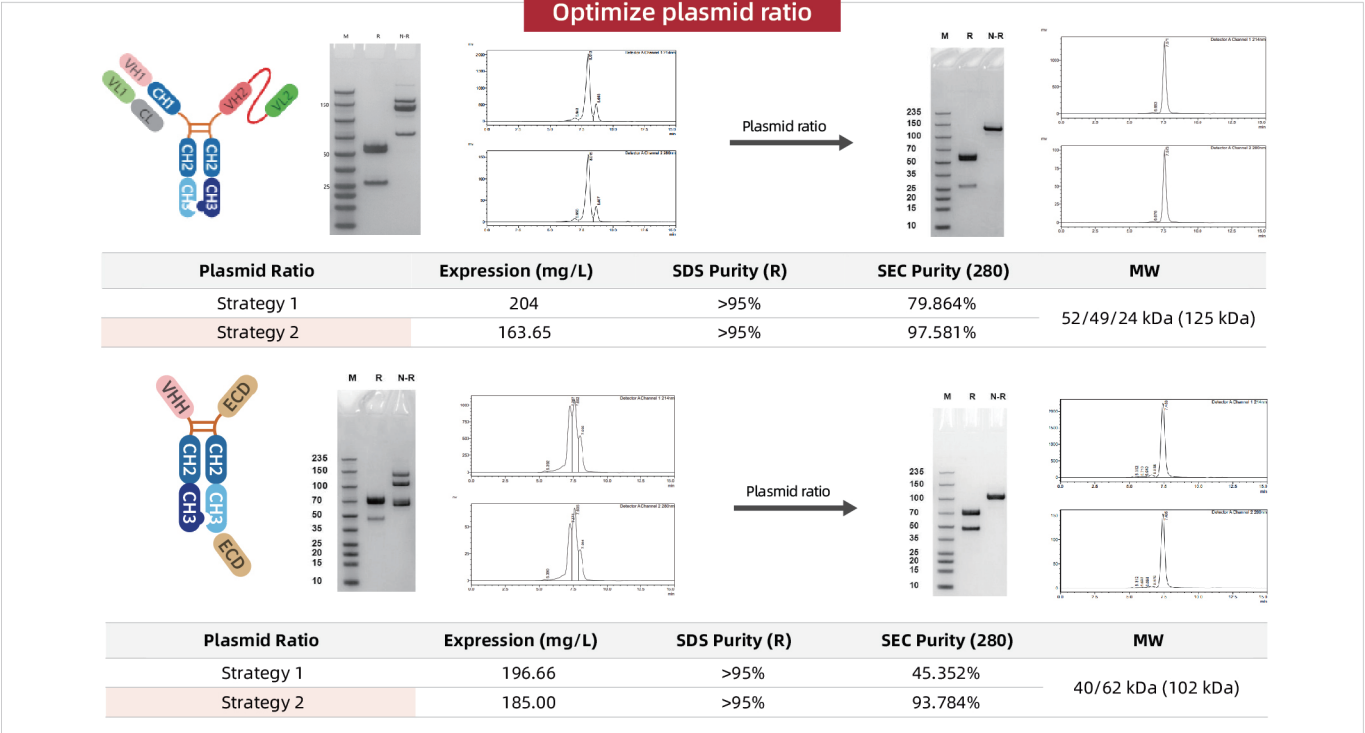


Two steps of purification (Protein A+SEC), MW: 90/105 kDa (195 kDa)



Optimizing BsAb expression

Optimize plasmid ratio



12+

Years of Experience

1,500+

Companies Served Globally

80,000+

Antibodies Delivered Annually

SERVICE FEATURES



2 weeks

HTP Antibody
Expression



100 ug - 100 g

Guaranteed Recombinant
Antibody Production



5 g/L

High Yield CHO-K1
Stable Cell Line Generation



650+

Catalog Products -
Isotype Negative Antibody,
Target Positive Antibody,
Recombinant Proteins, Cell Lines

OTHER SERVICES

High Throughput Antibody Expression

2 weeks

From gene sequence to purified antibody

VHH Antibody Discovery

Unique binders guaranteed

Self-owned alpaca breeding base
One alpaca for one project

Bispecific Antibody Production

2-3 weeks

Thousands of BsAbs have been delivered

Affinity Maturation

6-8 weeks

Full Coverage Mammalian Expression System
At least 5-fold affinity improvement

Hybridoma Sequencing

4 days

100% sequence accurate
(cross verified with 5 independent clones)

Stable Cell Line Generation

CHO-K1 cell licensed from ECACC

Yield guaranteed (>5g/L for antibody)

Sublicense of CHO-K1BN Cell Line

ECACC Licensed, fully traceable

Adapted in basic CD medium

Antibody Humanization

3-4 weeks

Affinity guaranteed (comparable to parental antibody)

IgG Antibody Discovery

2-3 months

Single B cell screening platform
Antibodies directly from primary plasma B cells

Catalog Products

On-shelf, ready for shipment

Isotype Negative Antibody, Target Positive Antibody
Recombinant proteins, Cell lines

Contact Us

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