



## Custom Recombinant Antibody

---

Recombinant Antibodies (rAbs) are monoclonal antibodies, generated in vitro using synthetic genes. Unlike monoclonal antibodies (mAbs) which are produced using traditional hybridoma-based technologies, rAbs do not need hybridomas and animals in the production process.

The technology involves recovering antibody genes from source cells, amplifying and cloning the genes into an appropriate phage vector, introducing the vector into a host (bacteria, yeast, or mammalian cell lines), and achieving expression of adequate amounts of functional antibody. Recombinant Antibody provide highest level of consistency and unrivaled reproducibility; improved sensitivity and confirmed specificity.

### Procedure:

Codon optimization and gene synthesis

Subcloning into an expression vector

Plasmid amplification and preparation

Transfection of mammalian cells

Transient expression and purification

QC analysis

Expression Host: CHO / HEK299 cells

Material Supplied: Purified antibody with COA; Expression plasmid containing GOI

Quality Control: SDS-PAGE >95%; SEC-HPLC detection; Endotoxin Level less then 1EU/mg

Competitive Price

Fast Turnaround Time (only 3-4 weeks)

Guaranteed Amount (up to mg level / no antibody no charge)

Catalog No.	400001
Size	
Product Category	Custom Antibody

