



Enzymax LLC, 870 Corporate Dr., Suite 201; Web: www.enzymax.net; Tel: 859-219-8482; Fax: 859-219-0653

Custom Service: CS103 Monoclonal Antibody Cloning and Antibody Sequencing

Description:

Monoclonal Antibody Sequencing or Mab Sequencing Services are provided by Enzymax. You just need to send us the pellet of snap frozen cells (1×10^7) from any antibody producing cell line (hybridoma cell lines or Clonal B-cell line). We will send the sequencing data of variable regions of heavy chain (VH), light chain (VL), constant domains, and leader sequence (signal sequence). Here is our standard sequencing procedures:

- Isolate mRNA from hybridoma or B cells
- cDNA synthesis by reverse transcription: mRNA to cDNA
- 5' RACE amplification of the constant regions of Heavy (CH) and Light Chain (CL) for leader sequence sequencing
- PCR amplification of DNA fragments corresponding to VH and VL
- Cloning into a standard sequencing vector
- Sequencing analysis from at least 5-10 independent clones for each of VH and VL
- Report of sequencing data or provide plasmid containing coding sequence (by request)

Services available:

1. Variable Domains Sequencing for both Light chain and Heavy chain:
Cat# CS103-1: **\$900**, 7-10 business day
2. Variable Domains Sequencing for both LV and HV, plus leading sequence:
Cat# CS103-2: **\$1400**, 10-12 business days
3. Full Length sequencing for Variable regions, constant domains and leader sequences:
Cat# CS103-3: **\$2200**, 12-14 business days