



شرکت سلول بافت زیست (سبز)

Monoclonal antibody production workshop

Theory sessions:

- ✓ Overview and Principles of monoclonal antibody
- ✓ immunization methods
- ✓ Principles of cell isolation and culture of mouse spleen
- ✓ fusion and selection of hybridoma cell
- ✓ monoclonal antibody screening by direct ELISA
- ✓ antibody production, purification and determination of monoclonal antibody isotype
- ✓ Principles of myeloma and hybridoma cell culture and expansion

Practical Session:

- ✓ preparation of antigens
- ✓ antigene injection methods
- ✓ methods of blood sampling
- ✓ myeloma cell culture expansion and maintenance
- ✓ Isolation and preparation of mouse spleen and splenocytes
- ✓ fusion and selection of hybridoma cell
- ✓ hybridoma cell culture and expansion
- ✓ direct ELISA
- ✓ Preparation of hybridoma colony by limiting dilution method
- ✓ monoclonal antibody production in mice peritoneal fluid
- ✓ Isolation and cultivation of mouse peritoneal macrophages