Recombinant Phage Antibody System (RPAS)

Our Recombinant Phage Antibody System (RPAS) is designed to clone mouse antibody genes and to express and detect functional antibodies. It is based on a phage display system in which fragments of antibodies are expressed as fusions with phage proteins and displayed on the phage surface. RPAS has a flexible modular format with three parts: the Mouse ScFv Module, Expression Module, and Detection Module.   
Soluble, functional mouse single chain variable fragment (ScFv) antibodies are produced in E. coli using the pCANTAB 5 E expression vector. The ScFv carries a 13 amino acid peptide tag (E-tag), which is recognized by an Anti-E Tag affinity column. We also provide pCANTAB 5 Gene Rescue Primers and pCANTAB 5 Sequencing Primer Set to help you in your cloning work, and Anti-M13 Monoclonal Antibody for screening single chain antibody libraries.