

Monoclonal Antibody Production Services

Cat # 105515: Monoclonal Antibody Production Service: Ascites Fluid (from Clone): Ascites is produced in Balb/c strain mice. Optimized methods are used to generate tumours and accumulate ascitic fluid, including the quantity of cells and volume of inocula. These methods generate high yields of antibody that can be further processed or characterized depending on customer requirement.

Cat # 105516/105517: Monoclonal Antibody Production Service: Culture Supernatant: Many applications require a highly controlled method for production of antibodies. In these instances, in vitro methods are favoured over production of antibodies in ascites. Generally in vitro methods result in much higher levels of antibody purity as well as increased performance in most immunoassays. We offer Stationary Flask Cell Culture services to satisfy the growing demand for this level of antibody performance.

Cat # 105526: MAb / Isotype determination of clones: Immunoglobulin sub-class of monoclonals not generated by us can be determined.

Cat # 105527: MAb / IgG purification: Mab/IgG Purification by Protein A Affinity Chromatography (does not include production of Mab)

IgG subclass of antibodies can be purified from either monoclonal culture supernatant or ascites fluid .

Cat # 117776: MAb / IgM Purification Services:

Mab/IgM Purification Service from Monoclonal Culture Supernatant.

IgM subclass of antibodies can be purified from either monoclonal culture supernatant or ascites fluid using Protein A Affinity Chromatography.

Cat # 105528/105529: MAb / Antibody labelling: Purified monoclonal antibodies can be labelled with HRP or fluorochromes like FITC and TRITC.

Cat # 105530: Mycoplasma decontamination of cell lines: Hybridoma cell lines can be decontaminated by passage of cells in vivo.

Cat # 105531: MAb / Liquid Nitrogen storage: Precious clones can be maintained in Liquid Nitrogen in our monitored facility. The viability of the clones/cells lines will determine once a year by thawing the clones & culturing them.

Cat # 105532: Mycoplasma test for cell lines: Hybridoma cell lines can be tested for any mycoplasma contamination (by PCR method).

Cat # 105507: MAb / Antibody characterization: Antibodies produced from hybridoma cell lines can be characterized for epitope mapping, native protein reaction, cross reaction and titration using immunoprecipitation, immunoblotting and various ELISA methods.

Cat # 105508: MAb / Rescue and recloning of hybridoma cell lines: Subcloning of clones not generated by us can be undertaken.

Cell Culture Services

Introduction:

We can grow large quantities of either adherent or suspension cell cultures to your exact specifications. Product can be provided in suspension or as cell pellets. Cell lines shipped to us should be mycoplasma-free. Inocula required to produce large scale cultures can be small suspension cultures or frozen cell suspensions.

Cat # 105509: Adherent cell cultures: Small and large scale cultures can be produced. Typically, flasks are used for production.

Cat # 105510: Suspension cell cultures: Small and large scale cultures can be produced. Typically, flasks are used for production.

Cat # 105511: Mammalian primary cell line derivation: Primary cell line derivation can be performed on a variety of tissue types from several different species.

Cat # 105512: Cell lysate service: Cell pellets generated by us or supplied to us can be processed to produce total protein lysates prepared for SDS-PAGE electrophoresis. Chromosomal DNA is sheared and clarified supernatant containing total protein is supplied in SDS-PAGE buffer with DTT and Bromophenol blue. Please inquire for nuclear and sub-cellular fractionations.

Cat # 105513: Immunocytochemistry: Staining of cells or tissue sections with monoclonal antibodies can be undertaken.

Cat # 105514: Transfection of mammalian cell lines: Introduction of genes of your interest in mammalian cells to generate transient or permanent expression of the gene product.