

Monoclonal Antibody Technology: The Production and Characterization of Rodent and Human Hybridomas. 9780080858821. 264 pages. 2000. A.M. Campbell. Elsevier, 2000

Monoclonal Antibody Technology: The Production and Characterization of Rodent and Human Hybridomas, Volume 13. 1st Edition. 0.0 star rating Write a review. Antibody production and purification. Characterisation of monoclonal antibodies. Description. This volume contains detailed, comprehensive advice on rat, mouse and human hybridoma production. Clearly written and founded on solid experience and scholarship, this concise book is one of the best sources of practical information on the subject published thus far. JOURNAL OF IMMUNOLOGICAL METHODS. Ratings and Reviews. Powered by. Production of human monoclonal antibodies is preferred. However, it is difficult to produce human MAbs by conventional hybridoma technology. The following are the major limitations. Hybridoma technology is laborious and time consuming. MAbs are produced against a single antigenic determinant; therefore, they cannot differentiate the molecule as a whole. Sometimes, they may be incapable of distinguishing groups of different molecules also. 6. Characterization and Storage: Large Scale Production of MAbs: Encapsulated hybridoma cells for commercial production of MAbs See what's new with book lending at the Internet Archive. Monoclonal antibody technology : the production and characterization of rodent and human hybridomas. Item Preview. Monoclonal antibody technology : the production and characterization of rodent and human hybridomas. by. Campbell, Ailsa M. Hybridoma screening was performed using E. coli-produced recombinant molecules, endoglin-expressing immortalized human cell lines, and primary cultures of human mesenchymal stromal cells. Ten novel monoclonal antibodies recognizing at least eight different epitopes were produced. Eight antibodies bind the membrane-associated endoglin on the surface of normal and transformed human cells derived from different tissue sources. Two antibodies recognize linear antigenic determinants of the molecule and can be used to detect endoglin by Western blot. responsible for the ligand binding and angiogenic signal. Production and Characterization of Monoclonal Antibodies. against Human Endoglin. I. V. Smirnov. After this period, antibody-producing hybridomas were detected by a direct enzyme immunoassay with a double. antibody technique as recently described (10) with the slight modification that anti-mouse immunoglobulin serum (Dako) This is not surprising since for the production of the antigen RA-HSA roridin A was first derivatized to a dihemisuccinate at positions C-2' and C-13' (Fig. 1) and then coupled to HSA, making the basic trichothecene skeleton together with the macrocyclic ring system the immunodominant structure. Differences in cross-reactivity, however, indicate that each antibody might prefer another part of the molecule. 1985. Preparation and characterization of monoclonal antibodies to the trichothecene mycotoxin T-2. Appl.