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Microbiology, CBS, 2008

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The production of hybridomas expressing green fluorescent protein

GFP-PC transgenic mice have been engineered to express high levels of green fluorescent protein (GFP) fusion protein in antibody-secreting B cells. It was thought that hybridomas produced from these mice might secrete green fluorescent fusion protein. GFP-PC mice were immunized with the phycoerytherin (PE) protein, and hybridomas secreting PE-specific antibodies were produced from the transgenic cells. Most of the secreting hybridomas were produced from the transgenic cells. Most of the secreting hybridomas were green when assayed via flow cytometry. Non-secreting hybridomas were also assayed and did not exhibit green fluorescence. Therefore, hybridomas produced from the GFP-PC mice can be monitored for antibody secretion by measuring green fluorescence via flow cytometry.



Poster Number: Session: