



THE UNIVERSITY of TEXAS

HEALTH SCIENCE CENTER AT HOUSTON

Office of Technology Management

OV-1 & OV-6 MONOCLONAL ANTIBODIES

The Technology: A researcher at the University of Texas Health Science Center at Houston (UTHSC-H) has developed hybridomas to follow cellular changes in liver cells of rats during chemical carcinogenesis. More specifically, the OV-1 and OV-6 hybridomas consist of monoclonal antibodies fused with a mouse myeloma line. The OV-1 hybridoma stains the surface of oval cells and bile ducts. OV-6 stains the cytoskeleton of oval cells, bile ducts, and hepatomas. The use of these hybridomas provides a new approach to the study of lineage during chemical hepatocarcinogenesis in the rat. Specific identification of hepatocytes and oval cells by immunostaining techniques is possible through the use of OV-1 and OV-6. Such specific staining has not been possible with conventional markers.

Publications:

- Dunsford HA, Sell S. Production of monoclonal antibodies to preneoplastic liver cell populations induced by chemical carcinogens in rats and to transplantable Morris hepatomas. *Cancer Res.* 1989 Sep 1;49(17):4887-93. [Click here to read](#)
- Dunsford HA, Karnasuta C, Hunt JM, Sell S. Different lineages of chemically induced hepatocellular carcinoma in rats defined by monoclonal antibodies. *Cancer Res.* 1989 Sep 1;49(17):4894-900.

NON-CONFIDENTIAL TECHNOLOGY DESCRIPTION

The preceding is intended to be a non-confidential summary of a novel technology created at the University of Texas Health Science center at Houston (UTHSCH), for which the University has obtained patent protection.

UTHSC-H Ref. No.: 2004-0011. 2004-0011A

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Patent Status: N/A

License Available: world-wide; non-exclusive

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