

2037

A Study of Radioimmunoimaging of ColonCancer Using Monoclonal Antybody Against Human Colon Cancer in Nude Mice

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Monoclonal antibody CMU15 against human colon cancer was prepared by hybridoma technique. MoAb CMU15 was specific to cells of human colon cancer and not reactive to CEA.

Immunoactivity remained well after labelled with Tc-99m by the method of 2 mercaptothanol reduction-mediated. Having high labelling efficiencies (96%). 24 hours later after injection of MoAb CMU15 through I.P., there were higher selective concentration in the tumor and clear visualization of tumors, indicating that Tc-99m-CMU15 can supecifically concentrate in thte tumor.