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(54) Title: HAPTEN-MODIFIED TUMOR CELL MEMBRANES, AND METHODS OF MAKING AND USING HAPTEN-MODIFIED TUMOR CELL MEMBRANES

(57) Abstract

The present invention is directed to isolated tumor cell membranes, compositions thereof, methods of making the membranes and compositions, and methods of treating cancer. The compositions of the present invention include a composition prepared from a tumor cell which is hapten modified. The tumor cell membranes and compositions of the invention have the properties, when administered to a mammal suffering from a malignant tumor of the same type as said tumor cell, of eliciting T lymphocytes that infiltrate the tumor of the mammal, of eliciting an inflammatory immune response against the tumor of the mammal, and of eliciting a delayed-type hypersensitivity response to the tumor of the mammal. The membranes and compositions of the invention also stimulate T cells *in vitro*. The methods of the present invention are directed to treating cancer comprising administering a therapeutically effective amount of a tumor cell membrane. The present invention is also directed to a method of making a hapten-modified tumor cell membrane and dosage forms containing the membranes.