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(54) Title: MONOMERIC RECOMBINANT MHC MOLECULES USEFUL FOR MANIPULATION OF ANTIGEN-SPECIFIC T CELLS

(57) Abstract: The present invention provides, in particular embodiments, for modified recombinant T cell receptor (TCR) ligands (RTLs) comprising a MHC class I or MHC class II component. The modified RTLs have redesigned surface features that preclude or reduce aggregation, wherein the modified molecules retain the ability to bind Ag-peptides, target antigen-specific T cells, inhibit T cell proliferation in an Ag-specific manner and have utility to treat, inter alia, autoimmune disease and other conditions mediated by antigen-specific T cells in vivo.

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