HLA-RESTRICTED, PEPTIDE-SPECIFIC ANTIGEN BINDING PROTEINS

Antigen binding proteins with ~~TCR~~T cell receptor-like paratopes, that is, with an antigen binding region specific for an ~~HLA~~human leukocyte antigen-A2 restricted peptide are disclosed. The antigen binding proteins encompass antibodies in a variety of forms, including full-length antibodies, substantially intact antibodies, Fab fragments, F(ab')2 fragments, and single chain Fv fragments. Fusion proteins, such as scFv fusions with immunoglobulin or T-cell receptor domains, incorporating the specificity of the antigen binding region for each peptide are also contemplated by the invention. Furthermore, immunoconjugates may include antibodies to which is linked a radioisotope, fluorescent or other detectable marker, cytotoxin, or other molecule are also encompassed by the invention. Among other things, immunoconjugates can be used for delivery of an agent to elicit a therapeutic effect or to facilitate an immune effector function.

Fig. 2