METHOD FOR INDUCING CYTOTOXIC T LYMPHOCYTE

ABSTRACT OF THE DISCLOSURE

A method for inducing an antigen-specific cytotoxic T lymphocyte (CTL) which recognizes determinants of disease-related antigens, such as from cancer or tumor cells, viral infections, intracelMar bacterial infections, or parasitic infections. Lymphocytes are contacted or co-cultured with a cell line which expresses at least one major histocompatibility (MHC) class I molecules and a co-stimulatory molecule, after or while bringing the cell line into contact with a disease antigenic peptide. Alternatively, the lymphocytes may be contacted with a cell line expressing at least one MHC class I molecules andan accessory molecule and presenting an antigen. The CTLs induced by these methods may be used to treat cancer or infectious diseases. Methods for testing the proliferation potential of a lymphocyte sample using cell lines expressing MHC class I molecules and accessory molecules are also disclosed.

No suitable figure.