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(57) Abstract

Targeted cytotoxic T lymphocytes have a TcR comprising heterologous α and β polypeptides, which heterologous polypeptides confer on the lymphocyte MHC Class I-restricted specificity for disease-causing target cells. The lymphocytes may be monovalent, having a single species of TcR conferring specificity for a single class of target cells. The lymphocytes find application as vaccines and in adoptive immunotherapy, e.g. cancer, AIDS or antiviral therapy.