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Chimeric T cell receptors

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Abstract

The goal of effective immunotherapy is to restore the immune system's natural ability to recognize and eliminate transformed cells. The aim of this project was to develop a chimeric T cell receptor which would give the cytotoxic T lymphocytes a higher efficiency in destroying tumor cells. The chimeric T cell receptor was constructed by the fusion of the variable region of an antigen together with the intracellular part from an original T cell receptor.

Keywords

Bladder carcinoma, immune surveillance, immune escape, immunotherapy, chimeric T cell receptors, retroviral vector

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