

# Targeting T Cells in Cancer Immunotherapy

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## Abstract

Cancer immunotherapy has emerged as a revolutionary approach in the battle against cancer, focusing on harnessing the body's immune system to target and destroy malignant cells. T cells, a critical component of the immune system, play a central role in this therapeutic strategy. This abstract provides a concise overview of the state-of-the-art in Targeting T Cells. The groundbreaking approach in cancer immunotherapy is Chimeric Antigen Receptor (CAR) T cell therapy. CAR T cells are T cells that are genetically engineered to express a receptor specific to a cancer-associated antigen. Once infused back into the patient's body, these CAR T cells seek out and destroy cancer cells bearing the targeted antigen, offering highly targeted treatment with minimal harm to healthy tissue.

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