

[Open Peer Review on Qeios](#)

MAGE-A4-specific TCR Gene-transduced Autologous T Lymphocytes TBI-1201

National Cancer Institute

Source

National Cancer Institute. *MAGE-A4-specific TCR Gene-transduced Autologous T Lymphocytes TBI-1201*. NCI Thesaurus. Code C114978.

Autologous human T-lymphocytes transduced with a retroviral vector encoding a T-cell receptor (TCR) specific for the human melanoma antigen A4 (MAGE-A4), with potential immunostimulatory and antineoplastic activities. Upon isolation, transduction, expansion *ex vivo*, and reintroduction into the patient, MAGE-A4-specific TCR gene-transduced T-lymphocytes TBI-1201 binds to tumor cells expressing MAGE-A4. This may result in both an inhibition of growth and increased cell death for MAGE-A4-expressing tumor cells. The tumor-associated antigen MAGE-A4 is overexpressed by a variety of cancer cell types.