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Autologous NY-ESO-1-specific CD8-positive T Lymphocytes

National Cancer Institute

Source

National Cancer Institute. *Autologous NY-ESO-1-specific CD8-positive T Lymphocytes*.
NCI Thesaurus. Code C118790.

A preparation of autologous CD8+ T-lymphocytes specifically reactive to the cancer-testis antigen NY-ESO-1, with potential immunostimulating and antineoplastic activities. Autologous NY-ESO-1-specific CD8+ T-lymphocytes were generated from T-cells isolated from a particular cancer patient, which were made specifically reactive to the NY-ESO-1 antigen, expanded ex vivo, and reintroduced into the patient. These tumor-reactive T-cells may stimulate a host immune response against tumor cells expressing the NY-ESO-1 antigen, resulting in tumor cell lysis. NY-ESO-1, an antigen found in normal testis, may be upregulated in various cancers.