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# ALVAC(2)-NY-ESO-1 (M)/TRICOM Vaccine

National Cancer Institute

## Source

National Cancer Institute. *ALVAC(2)-NY-ESO-1 (M)/TRICOM Vaccine*. NCI Thesaurus. Code C79832.

A cancer vaccine consisting of a replication-defective recombinant canarypox virus [ALVAC(2)] encoding the cancer-testis antigen NY-ESO and the T R I ad of COstimulatory Molecules (B7-1, ICAM-1 and LFA-3; also called T R ICOM), with potential immunostimulatory and antineoplastic activities. Upon administration, ALVAC(2)/NY-ESO (M)/T R ICOM vaccine may stimulate the host immune system to mount a cytotoxic T lymphocyte (CTL) response against NY-ESO-expressing cancer cells, which may result in the inhibition of tumor cell proliferation. NY-ESO-1, a tumor associated antigen (TAA), is found in normal testis and on the surface of various tumor cells, including bladder, breast, hepatocellular, melanoma, and prostate tumor cells. T R ICOM may enhance antigen presentation and activate cytotoxic T-cells. In addition, ALVAC(2) encodes the vaccinia virus (vv) E3L and K3L genes, which may potentiate the translation of the NY-ESO and T R ICOM genes.