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M87o-Transduced CD34+ Peripheral Blood Stem Cells

National Cancer Institute

Source

National Cancer Institute. *M87o-Transduced CD34+ Peripheral Blood Stem Cells*. NCI Thesaurus. Code C82351.

Peripheral blood stem cells (PBSCs) transduced with the retroviral vector M87o encoding for the HIV-1-entry inhibitor peptide membrane-anchored antiviral peptide C46 (maC46). Expression of C46 by M87o-transduced CD34+ peripheral blood stem cells may prevent the fusion of viral and cellular membranes, thereby inhibiting HIV-1 entry. C46 is a membrane-anchored peptide encoding amino acids 628 to 673 of the HIV-1 entry inhibitory transmembrane glycoprotein gp41.