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DATA SHEET

Reagent:	Een217 T Cell Clone
Catalog Number:	755
Lot Number:	130235
Release Category:	A
Provided:	5 x 10^6 cells/vial. Viability at cryopreservation time was 80%. Cells are cryopreserved in RPMI supplemented with 50% FBS and 10% DMSO.
Propagation Medium:	RPMI 1640 supplemented with 10% heat-inactivated fetal bovine serum, 4 mM L-glutamine, 50 U/mL penicillin, 50 µg/mL streptomycin, 50 U/mL recombinant human IL-2
Freeze Medium:	Fetal calf serum, 90%; DMSO, 10%.
Growth Characteristics:	For continued growth, these cells must be re-stimulated every 7-14 days with PHA and irradiated allogeneic peripheral blood mononuclear cells. Please see cell propagation instructions attached to data sheet.
Sterility:	Negative for aerobic and anaerobic bacteria, mycoplasma, fungi, and yeast.
Description:	CD4+ gp120-specific human cytolytic T-cell clone.
Special Characteristics:	This clone was derived from an HIV-seronegative donor by *in vitro* stimulation with recombinant gp120 followed by soft agar cloning. It recognizes aa 410-429 of HIV-1 $_{PV22}$ gp120 in association with certain subtypes of DR4 (Dw10 and Dw15), and is cytolytic. Cells are 99% $CD4^+$, 99% $CD3^+$. PROPAGATION OF HUMAN T-CELL CLONES
Recommended Storage:	Liquid nitrogen.

Contributor: Dr. Robert F. Siliciano.

References:

Prepartion of irradiated PBMCs: Enhanced culture assay for detection and quantitation of latently infected, resting CD4+ T-cells carrying replication-competent virus in HIV-1-infected individuals. Siliciano JD, Siliciano RF. Methods Mol Biol. 2005;304:3-15.Abstract

Siliciano RF, Lawton T, Knal C, Karr R, Berman P, Gregory T, Reinherz E. Analysis of host-virus interactions in AIDS with anti-gp120 T cell clones: Effects of HIV sequence variation and a mechanism for $CD4^+$ cell depletion. *Cell* **54**:561-575, 1988.

Callahan K, Fort M, Obah E, Reinherz E, Siliciano, R. Genetic variability in HIV-1 gp120 affects interactions with HLA molecules and T cell receptor. *J Immunol* **144**:3341-3346, 1990.

Polydefkis M, Koenig S, Flexner C, Obah E, Gebo K, Chakrabarti S, Earl P, Moss B, Siliciano R. Anchor sequence-dependent endogenous processing of human immunodeficiency virus 1 envelope glycoprotein gp160 for $CD4^+$ T cell recognition. *J Exp Med* **171**:875-887, 1990.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Een217 T Cell Clone from Dr. Robert F. Siliciano (cat# 755)." Also include the references cited above in any publications.

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