



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Sup-T1 CCR5+ Cells (L23)
Catalog Number:	13784
Lot Number:	200217
Release Category:	C
Provided:	1 mL of cells Post thaw cell count = 8.65×10^6 cells/mL Post thaw cell viability = 78% Cell viability increased to 91% after 6 days in culture.
Cell Type:	Human T cell lymphoblast
Propagation Medium:	RPMI, 90%; fetal bovine serum, 10%; 3 µg/ml Blasticidin; Glutamine; Penicillin; Streptomycin
Freeze Medium:	Fetal bovine serum, 90%; DMSO, 10%
Morphology:	Suspension, Lymphocytic Cell Line
Sterility:	Negative for mycoplasma, bacteria, and fungi
Description:	SupT1 derived T cell clone engineered to express low levels of CCR5.
Special Characteristics:	SupT1 cells were transduced with CCR5 expressing lentivirus. Transduced cells were sorted, individual clones were selected and expanded in blasticidin media and characterized for CD4 and CCR5 expression. Sup-T1 CCR5+ Cells (L23) can be used in HIV infection studies. These cells were received as part of a group and details about each reagent can be found in Table 1.

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

Table 1: Sup-T1 CCR5+ Cells

Alternate Name: SupT-R5 clone L23

Recommended Storage:

Keep the reagent in liquid nitrogen.

Contributor:

Drs. Anjali Joshi and Himanshu Garg

References:

Joshi, A., Nyakeriga, A. M., Ravi, R. and Garg, H. (2011). HIV ENV glycoprotein-mediated bystander apoptosis depends on expression of the CCR5 co-receptor at the cell surface and ENV fusogenic activity. J Biol Chem, (42), 36404-13. doi:10.1074/jbc.M111.281659 [PUBMED](#)

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Sup-T1 CCR5+ Cells (L23) from Drs. Anjali Joshi and Himanshu Garg (cat# 13784)." Also include the references cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the Office of Research Contracts and Agreements (RCA) at the following email address: rafael.caraveo@ttuhsc.edu, before the reagent can be released.

Last Updated

July 17, 2020

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