



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	NIH-3T3 CD4+CCR5+ Cells
<b>Catalog Number:</b>	3947
<b>Lot Number:</b>	042040
<b>Release Category:</b>	C
<b>Provided:</b>	1 vial (2 x 10 <sup>6</sup> ) frozen cells. Viability is 95%.
<b>Propagation Medium:</b>	DMEM, 90%; fetal bovine serum, 10%. Supplement with 3 µg/ml puromycin and pen/strep ( <b>Note:</b> G418-sensitive).
<b>Freeze Medium:</b>	Fetal bovine serum, 90%; DMSO, 10%.
<b>Sterility:</b>	Negative for bacteria, fungi, and mycoplasma.
<b>Description:</b>	NIH-3T3 cells expressing human CD4 and human CCR5.
<b>Special Characteristics:</b>	<p>NIH-3T3 cells were stably transduced with the MLV MX-CD4 retroviral vector and sorted for high CD4 expression. Cells were subsequently transduced with pBABE-puro-CCR5 and selected for puromycin resistance. Human CD4 and CCR5 expression are each directed by the MX vector and BABE vector MLV LTR elements, respectively.</p> <p>Cell line for HIV/SIV infections. As murine cells do not replicate HIV/SIV efficiently, these cells are typically used for infections with HIV/SIV Env pseudotyped vectors (ex: HIV-luc), or in syncytium assays, but not with replication-competent virus infections.</p> <p>Alternate names: 3T3.T4.CCR5</p>
<b>Contributor:</b>	Dr. Dan Littman.
<b>References:</b>	Deng H-K, Unutmaz D, KewalRamani VN, Littman DR. Expression and cloning of new receptors used by simian and human immunodeficiency viruses. <i>Nature</i> <b>388</b> :296-300, 1997.

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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.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: NIH-3T3 CD4+CCR5+ Cells from Dr. Dan R. Littman." Also include the reference cited above in any publications.

**Patent pending. Scientists at for-profit institutions or who intend commercial use of this reagent must contact the New York University Office of Industrial Liaison at the following email address: [abram.goldfinger@nyumc.org](mailto:abram.goldfinger@nyumc.org)**

**Last Updated**

June 22, 2017

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