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DATA SHEET

Reagent:	Cf2Th synCCR5+ Cells
Catalog Number:	4662
Lot Number:	080121
Release Category:	D
Provided:	2.4 x 10 ⁶ cells/mL. Viability is 97%.
Cell Type:	Canine thymocytes
Propagation Medium:	DMEM, 90%; fetal bovine serum, 10%; supplemented with pen/strep, 500 µg/ml G418, 500 µg/ml zeocyn, 3 µg/ml puromycin.
Freeze Medium:	Gibco Cell Freezing Medium
Growth Characteristics:	Adherent cells. Split 1/10 using trypsin/EDTA once the cells reach 70-80% confluency. To harvest the cells with intact CCR5 receptors, use PBS with 5 mM EDTA to detach the cells. The cells grow rapidly and prefer low levels of confluency.
Sterility:	Negative for bacteria, fungi, and mycoplasma
Description:	This cell line has been transfected to express codon-optimized human CCR5 (synCCR5).
Special Characteristics:	The cells are cloned from the CfTh2 cell line, and express approximately 0.5-1.0 x 10⁶ human CCR5 per cell. The CCR5 is expanded by addition of the C9 tag at the C terminus. Alternative Name: Cf2Th/PACH/synCCR5
Recommended Storage:	Keep the reagent in liquid nitrogen.

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.

Contributor: Dr. Tajib Mirzabekov and Dr. Joseph Sodroski

References: Mirzabekov, T., Bannert, N., Farzan, M., Hofmann, W., Kolchinsky, P., Wu, L., . . . Sodroski, J. (1999). Enhanced expression, native purification, and characterization of CCR5, a principal HIV-1 coreceptor. J Biol Chem, 274(40), 28745-28750. [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Cf2Th synCCR5+ Cells from Dr. Tajib Mirzabekov and Dr. Joseph Sodroski (cat# 4662)." Also include the reference cited above in any publications.

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