Reagent:    Ramos DC-SIGN+ Cells
Catalog Number: 9939
Lot Number: 050784
Release Category: C
Provided: 1 x 10^7 cells/vial, viability is 96%.
Cell Type: Human B cell line.
Propagation Medium: IMDM, 90%; fetal bovine serum, 10%.
Freeze Medium: IMDM, 70%; fetal bovine serum, 20%; DMSO, 10%.
Growth Characteristics: Suspension cell line. Doubling time of approximately 20 hours.
Morphology: Lymphocytic.
Sterility: Negative for mycoplasma, bacteria and fungi.
Special Characteristics: Derived from Ramos cells (Cat# 9938), an Epstein Barr Virus (EBV)-negative Burkitt’s lymphoma line. Ramos parental cells were transduced with the MLV vector MX-DC-SIGN and FACS sorted as a population for high levels of DC-SIGN expression. The MX-DC-SIGN vector encodes no drug-selectable marker gene. Thus, early freezes of this line should be established. Variable expression of DC-SIGN will be observed in the cell population if kept more than one month in culture. Ramos/DC-SIGN cells support efficient DC-SIGN-mediated HIV transmission.
Recommended Storage: Liquid nitrogen

Contributor: Drs. Li Wu and Vineet N. KewalRamani, HIV Drug Resistance Program, NCI.


NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Ramos DC-SIGN+ Cells from Drs. Li Wu and Vineet N. KewalRamani." Also include the reference cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact: Dr. Jeffrey W. Thomas, NCI Technology Transfer Center, ATRF Room E3202, PO Box B, Frederick, MD 21701, Email: jeffreyt@mail.nih.gov, Tel: (301) 846-5465, Fax: (301) 846-6820, before the reagent can be released. Tel: 301-846-5465

Last Updated August 31, 2017

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.