

Centre for AIDS Reagents

Data Sheet

NAME: CMMT-CD4-LTR- β -Gal (sMAGI)

REPOSITORY REFERENCE: ARP5033

CELL TYPE: CMMT (a rhesus macaque mammary tumor line) infected with the amphotropic retroviral vector LT4SN to express human CD4. Stably transfected with a plasmid containing the HIV-1 LTR fused to the β -galactosidase gene.

SPECIAL CHARACTERISTICS: This indicator cell line allows rapid quantification of infectious SIV. Cells are adherent. NOTE: The parental CMMT cell line expresses SRV-1 (simian type D retrovirus); both CMMT and sMAGI have high endogenous RT activity due to SRV-1 expression.

CULTURE MEDIUM: DMEM supplemented with 100 U/ml penicillin, 100 μ g/ml streptomycin, 300 μ g/ml L-glutamine, 0.2 mg/ml G418 (at an active concentration of 700 μ g/ml), and 50 U/ml hygromycin (Calbiochem, 358 U/mg), and 10% fetal bovine serum.

SOURCE: Dr. Julie Overbaugh (Courtesy of the NIH)

REFERENCE: Chackerian B, Haigwood NL, Overbaugh J. Characterization of a CD4 expressing macaque cell line that can detect virus after a single replication cycle and can be infected by diverse simian immunodeficiency virus isolates. *Virology* **213**:386 - 394, 1995.

ACKNOWLEDGEMENTS: Acknowledgment for publications should read "The following reagent was obtained through the AIDS Research and Reference Reagent Program, Division of AIDS, NIAID, NIH: CMMT-CD4-LTR- β -Gal (sMAGI) from Dr. Julie Overbaugh." Also include the reference cited above in any publications.

Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website at http://www.nibsc.ac.uk/spotlight/centre_for_aids_reagents.aspx in the "Acknowledgements" section.

Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)

National Institute for Biological Standards and Control – Assuring the quality of biological medicines

Blanche Lane South Mimms Potters Bar Hertfordshire EN6 3QG United Kingdom
Tel +44 (0)1707 641000 Fax +44 (0)1707 641050 www.nibsc.ac.uk
A World Health Organization Laboratory for Biological Standards

