



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	TF228.1.16 Cells
Catalog Number:	11481
Lot Number:	070579
Release Category:	B
Provided:	5 x 10 ⁶ cells/vial.
Cell Type:	TF228.1.16 is a transfection of a plasmocytoma cell line (BJAB) with plasmid DNA containing gp120/160.
Propagation Medium:	DMEM high glucose + 200 mM glutamine + 10% FBS.
Freeze Medium:	95% FBS + 5% DMSO.
Growth Characteristics:	In culture, the cell line grows mainly as single, semi-adherent (approximately 20% of cells are adherent) cells. Special procedures are not required for maintenance of cell culture. Culture should be split at 1:20.
Morphology:	Plump round cells in suspension and the adherent cells are not as uniform. Cell morphology is not variable.
Sterility:	Negative for mycoplasma, fungi and bacteria.
Special Characteristics:	<p>TF228.1.16 is a mammalian Burkitt's lymphoma cell line (BJAB) modified to stably express the entire HIV-1 envelope protein gp160. There are no viral particles seen by EM. Plasmacytoma secretes Ig. Protein gp120 is both secreted and cell surface bound with gp41 (gp160).</p> <p>TF228.1.16 cell line is useful in HIV research where studies involving CD4/gp120 interaction are of interest (inhibitor screening). Cells form syncia with CD4+ cells.</p>

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.

Recommended Storage: Liquid nitrogen, vapor phase.

Contributor: Dr. Zdenka Jonak and Dr. Steve Trulli.

References: Jonak ZJ, Clark RK, Matour D, Trulli S, Craig R A Human Lymphoid Recombinant Cell Line with Functional Human Immunodeficiency Virus Type 1 Envelope. *AIDS Research and Human Retroviruses* (1993) **9**(1):23-32.

NOTE: **Patents: Patents 5,462,872 and 5,580,720.**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: TF228.1.16 from Drs. Zdenka Jonak and Steve Trulli." Also include the reference cited above in any publications.

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