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DATA SHEET

Reagent:	SIVsmH4 gp130 Secreting CHO Cells (Clone AD5)
Catalog Number:	1821
Lot Number:	93BR080
Release Category:	D
Provided:	6.1 x 10^6 cells/vial.
Cell Type:	Transformed CHO *dhfr*- Dg44 cells. Morphology is adherent spindle-shaped fibroblasts, similar to parent cell line.
Propagation Medium:	DMEM, 90%; dialyzed fetal bovine serum, 10%; supplemented with 150 µg/ml proline and 0.05 µM methotrexate.
Freeze Medium:	Fetal bovine serum, 90%; DMSO, 10%.
Growth Characteristics:	Cells grow as a monolayer and tend to form whorls at high confluency. They are proline auxotrophs. This clone was originally selected in 10% dialyzed fetal bovine serum, and must be maintained in dialyzed FBS to maintain selection (growth in FBS may result in loss of expression).
Sterility:	Negative for bacteria and mycoplasma.
Description:	This cell line secretes SIVsmH4 gp130
Special Characteristics:	The parent cell line was cotransfected with an expression plasmid containing an *ad/dhfr* gene, and a plasmid containing the SIV gp130 gene under control of the human CMV IE-1 promoter. Clones were screened using a specific gp130 antigen capture ELISA. The product was further characterized by RIPA using serum from $SIV_{mac}251$ and $SIV_{sm}E660$-infected macaques. SIV gp130 has been purified from this cell line following the procedure outlined in Planelles et al., and has been shown to have the expected amino acid composition, molecular weight, and immunoreactivity of viral gp130.

Recommended Storage:	Liquid nitrogen.
Contributor:	Developed at Chiron Corporation. Contributed by Dr. Nancy Haigwood and Ms. Margarita Quiroga.
References:	Haigwood NL, Misher LE, Chin SM, Blair M, Planelles V, Scandella CJ, Steimer KS, Gardner MB, Yilma T, Hirsch VM, Johnson PR. Characterization of group specific antibodies in primates: studies with SIV envelope in macaques. *J Med Primatol* **21**:82-90, 1992. Johnson PR, Montefiori DC, Goldstein S, Hamm TE, Zhou J, Kitov S, Haigwood NL, Misher L, London WT, Gerin JL, Allison A, Purcell RH, Chanock RM, Hirsch VM. Inactivated whole virus vaccine derived from a proviral DNA clone of the simian immunodeficiency virus induces high levels of neutralizing antibodies and confers protection against heterologous challenge. *Proc Natl Acad Sci USA* **89**:2175-2179, 1992. Planelles V, Haigwood NL, Marthas ML, Mann KA, Scandella C, Lidster WD, Schuster JR, van Kuyk R, Marx PA, Gardner MB, Luciw PA. Functional and immunological characterization of SIV envelope glycoprotein produced in genetically engineered mammalian cells. *AIDS Res Hum Retroviruses* **7**:889-896, 1991.
NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: SIVsmH4 gp130 Secreting CHO Cells (Clone AD5) from Dr. Nancy Haigwood and Margarita Quiroga." Also include the references cited above in any publications. **Commercial requests should be directed to Ms. Margarita Quiroga, Chiron Corporation, 4560 Horton Street, Emeryville, CA 94608, ph: 510-601-2989, FAX: 510-601-6918.**
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