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DATA SHEET

Reagent:	Antiserum to HTLV-I Sp-2, 3/4A Peptides
Catalog Number:	1578
Lot Number:	3 8/11/92
Provided:	1 ml unfiltered antiserum.
Host or Host Site:	Goat.
Titer:	90% syncytia inhibition is seen at 1:160. Syncytium formation assays were performed as described in Palker et al., 1992. Briefly, 45 µl each of HTLV-I+ C91/PL T cells and uninfected C8166 cells (1 x 10^6 cells/ml) are added to the wells of a microtiter plate containing 10 µl of heat-inactivated test or control serum. Plates are incubated for 24 hours at 37°C in a 5% CO_2 incubator, then examined for syncytia formation.
Special Characteristics:	Antiserum was raised against the synthetic HTLV-I envelope peptides SP-2 and SP-3/4A coupled to tetanus toxoid. Most of the neutralizing activity is directed against SP-2 (aa 86-107). SP-3 corresponds to aa 176-189 and SP-4 to aa 190-209. The antiserum should be heat-inactivated at 56degreeC for 30 minutes prior to use in neutralization assays. Anti SP-2, SP-3/4A does not cross neutralize HTLV-II.
Recommended Storage:	Keep at 4°C for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.
Contributor:	Dr. Thomas J. Palker.
References:	Palker TJ, Riggs E, Spragion D, Muir A, Scearce R, Randall R, McAdams M, McKnight M, Clapham P, Weiss R, Haynes B. Mapping of homologous, amino-terminal neutralizing regions of human T-cell lymphotropic virus types I and II (HLTV-I,II) gp46 envelope glocoproteins. *J Virol* **66**:5879-5889, 1992.
NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Antiserum to HTLV-I SP-2, 3/4A from Dr. Thomas Palker." Also include the reference cited above in any publications.