

Centre For AIDS Reagents

Data Sheet

NAME:	Recombinant HIV-1 IIIB gp120 (CHO)
REPOSITORY REFERENCE:	ARP6016
DESCRIPTION:	Full Length Recombinant HIV-1 IIIB gp120 produced in the CHO Expression System.
BIOLOGICAL ACTIVITY:	<p>This protein binds to human T-cell receptor CD4 in ELISA and Western ELISA as determined by CD4/gp120/Anti-gp120 MAb-peroxidase capture ELISA.</p> <p>This protein activates human T-Lymphocytes (CD4+,CD4-), in vitro, as measured by RNA synthesis during GO to G1 transition phase of antigen-binding competent cells.</p> <p>This protein binds to murine monoclonal antibodies of defined epitope specificity and human serum polyclonal antibodies in ELISA and Western ELISA.</p>
SPECIAL CHARACTERISTICS:	This protein binds to murine monoclonal antibodies of defined epitope specificity and human serum polyclonal antibodies in ELISA and Western ELISA.
PURIFICATION:	This protein is purified by immune-affinity chromatography to >98% purity as determined by SDS-PAGE, reduced.
PRESENTATION:	50ug [1mg/ml] (as supplied by source)
STORAGE:	-75°C
DILUENT:	PBS
SOURCE:	ImmunoDiagnostics Inc.
APPLICATIONS:	<p>Recommended concentrations for use are approximate values. A dose dependent response assay should be performed to determine the optimal concentration for use in specific applications.</p> <p>ELISA and Western ELISA require 10-100ng protein depending on the nature and affinity of the detection reagent. HIV-converted human serum polyclonal antibodies yield titres of 1:1000 or greater at 1-10ng of immobilized protein under standard ELISA conditions.</p>
ACKNOWLEDGEMENTS:	<p>Publications should acknowledge the donor of the reagent and the Centre for AIDS Reagents. Suggested wording can be found on our website in the “Acknowledgement” section at:-</p> <p>www.nibsc.ac.uk/spotlight/centre_for_aids_reagents.aspx</p> <p>Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR, this can be by e-mail or printed copy.</p>