

**Centre For AIDS Reagents**

**Data Sheet**

<b>NAME:</b>	Recombinant HIV-1 IIIB Envelope gp120 (Baculovirus)
<b>REPOSITORY REFERENCE:</b>	<b>EVA607</b>
<b>DESCRIPTION:</b>	Full Length Recombinant HIV-1 IIIB gp120 produced in the Baculovirus Expression System.
<b>PURITY:</b>	This protein is purified by immune-affinity chromatography to >95% purity as determined by SDS-PAGE, reduced.
<b>BIOLOGICAL ACTIVITY:</b>	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. This protein activates human T-Lymphocytes (CD4+,CD4-), in vitro, as measured by RNA synthesis during GO to GI transition phase of antigen-binding competent Cells.
<b>SPECIFICITY:</b>	This protein binds to murine monoclonal antibodies of defined epitope specificity and human serum polyclonal antibodies in ELISA and Western ELISA.
<b>PRESENTATION:</b>	50ug
<b>BUFFER:</b>	PBS
<b>STORAGE/STABILITY:</b>	-75°C / At least 2 years at -75°C
<b>SOURCE:</b>	ImmunoDiagnostics Inc. MA, USA
<b>APPLICATIONS:</b>	<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>
<b>ACKNOWLEDGEMENTS:</b>	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:-

[www.nibsc.org/science\\_and\\_research/virology/centre\\_for\\_aids\\_reagents.aspx](http://www.nibsc.org/science_and_research/virology/centre_for_aids_reagents.aspx)

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.