Centre for AIDS Reagents

Data Sheet

DESCRIPTION:	Recombinant HIV-2 (ROD) Glycoprotein gp105
REPOSITORY REFERENCE:	EVA621
EXPRESSION SYSTEM:	Produced in the Baculovirus expression system
PURITY:	This protein is purified by immunoaffinity chromatography to >90% purity as determined by SDS-PAGE, reduced.
PRESENTATION:	50µg in PBS
APPLICATIONS:	Human Diagnostics, CD4 Binding, Drug screening, Vaccines, Immunisation, T-Cell Activation.
SPECIFICITY:	This protein binds to murine monoclonal antibodies of defined epitope specificity and human serum polyclonal antibodies in ELISA and Western ELISA.
BIOLOGICAL ACTIVITY:	This protein binds to human T-cell receptor CD4, albeit with lower affinity compared to HIV-1 gp120, in ELISA and Western ELISA as determined by CD4/gp105/Anti -gp105 mAb-peroxidase capture ELISA. This protein activates human T-Lymphocytes (CD4+ , CD4-), in vitro, as measured by RNA synthesis during G0 to G1 transition phase of antigen-binding competent cells.
CONCENTRATIONS:	ELISA and Western ELISA require 10-100ng protein depending on the nature and affinity of the detection reagent. Human serum polyclonal antibodies yield titres of 1:1000 or greater at 10-100ng of immobilised protein under standard ELISA conditions.

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NOTE:	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.
STORAGE:	-75°c, stability at least 6 months.
SOURCE:	Immunodiagnostics
ACKNOWLEDGEMENTS:	Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website at http://www.nibsc.ac.uk/spotlight/aidsreagent/index.html in the "Acknowledgements" section. Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)