

Centre for AIDS Reagents

Data Sheet

DESCRIPTION:	Recombinant SIV _{mac} 251 gp130.
REPOSITORY REFERENCE:	EVA670
PROTEIN:	Recombinant SIV _{mac} 251 gp130 glycoprotein.
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.
BUFFER:	PBS
PRESENTATION:	100µg (1mg/ml)
ENDOTOXIN LEVEL:	Available on request.
APPLICATIONS:	Immunization CD4 Binding B and T-cell Activation
SPECIFICITY:	This protein binds to murine monoclonal antibodies of defined epitope specificity and simian serum polyclonal antibodies in ELISA and Western ELISA.
BIOLOGICAL ACTIVITY:	This protein binds to human T-cell receptor CD4 in ELISA and Western ELISA as determined by CD4/gp130/Anti-gp130 Mab-peroxidase capture ELISA. This protein activates simian 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.

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 12 months.

SOURCE:

Dr J Raina, ImmunoDiagnostics.

ACKNOWLEDGEMENTS:

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.ac.uk/spotlight/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.