

Centre for AIDS Reagents
Data Sheet

Reagent:	Recombinant HIV-1 YU2 (M Tropic) Envelope Glycoprotein gp120 (Baculovirus)
Catalogue:	100671
Application:	CD4 Binding, Cell Activation
Concentration:	See vial
Mass/vial:	100µg
Diluent:	PBS
Purity:	>95%
Stabilizer:	None
Preservative:	None
Storage:	-75°C.
Physical State:	Frozen Liquid
Stability:	At Least 6 months at -75°C
Description:	Gene cloned from Macrophage -cell-tropic HIV-1 YU2 strain and the full length recombinant envelope gp120 glycoprotein produced in the Baculovirus Expression System.
Purification:	This protein is purified by immuno-affinity chromatography to >95% purity as determined by SDS-PAGE, reduced.
Specificity:	This protein binds to murine monoclonal antibodies of defined epitope specificity and HIV-1 converted human 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/gp120/Anti gp120 mAb-peroxidase capture ELISA. Cell activation assays in progress.
Application & Instructions for use:	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.

ELISA and Western ELISA require 10-100ng protein depending on the nature and affinity of the detection reagent. Human serum polyclonal antibodies yield titers of 1:1000 or greater at 10-100ng of immobilized protein under standard ELISA conditions.

Application: Human diagnostics, CD4 binding, Drug screening, Human T-cell CD4 receptor binding and co-receptor binding studies.

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