

Centre for AIDS Reagents

Data sheet

NAME:	Recombinant Human T-Cell Receptor sCD4.
REPOSITORY REFERENCE:	EVA609
DESCRIPTION:	Full-length recombinant Human T-Cell Receptor sCD4, produced in Baculovirus expression system. The full length protein contains V1 through V3 domains of CD4.
PURITY:	This protein is purified by immuno-affinity and gel exclusion chromatography to >98% purity as determined by SDS-PAGE, reduced. Molecular weight approximately 55kDa
BIOLOGICAL ACTIVITY:	This protein binds to native and recombinant HIV-1 gp120 and HIV-2 gp105 and neutralises HIV-1 infectivity in CD4 – bearing, HIV-1 infected cell cultures and HIV infected PCMB's.
PRESENTATION:	50µg
BUFFER:	PBS
SOURCE:	ImmunoDiagnostics Inc., Woburn, USA
SPECIFICITY:	This protein binds to murine monoclonal antibodies of defined epitope specificity in ELISA and Western ELISA.
STORAGE/STABILITY:	-75°C,/ At least 12 months
APPLICATIONS:	<p>ELISA and Western ELISA require 10-100ng protein depending on the nature and affinity of the detection reagent</p> <p>Recommended concentration for virus neutralization assays are in 1-10µg/ml of the HIV-1 infected culture.</p> <p>Drug screening assays are performed with 100-500ng of solid phase sCD4 and gp120 binding determined in the presence of inhibitors either indirectly using murine anti-gp120-peroxidase conjugate (AGMED catalogue#1101-P) or directly using HIV-1 rgp120-peroxidase conjugate (AGMED catalogue#1001-P)</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.org/science_and_research/virology/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>