

Active Recombinant HIV-1 IIIB gp120 Envelope Glycoprotein

Cat. No. HIV1IIIBgp120-100H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	HIV
Source	Insect Cells
Description	Full length Recombinant HIV-1 IIIB gp120 Envelope Glycoprotein produced in the Baculovirus Expression System. This protein binds to murine monoclonal antibodies of defined epitope specificity and human serum polyclonal antibodies in ELISA and Western ELISA.
Form	Frozen Liquid
Bio-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. 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.
Purity	> 95 % by SDS-PAGE
Applications	In-Vitro Diagnostics; T-Cell Activation; CD4 Binding.
Notes	Recommended concentrations for use are approximate values. A dose dependent

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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. HIV-converted human serum polyclonal antibodies yield titers of 1:1000 or greater at 1-10ng of immobilized protein under standard ELISA conditions.

Stability	At least 2 years at -75 centigrade.
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Storage	Store at -75 centigrade.
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Dilutions	PBS
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