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HIV-1 (IIIB Strain) gp160 Purified Native Glycoprotein

Catalog Number: 14-103-050

Lot Number: J0404

Product Description: Oligomeric, fully-glycosylated, soluble native gp160 glycoprotein of Human Immunodeficiency Virus type 1 (IIIB Strain). The protein is probably truncated near the transmembrane domain and runs as a 140kD protein in SDS-PAGE. This viral protein was isolated from culture medium of HIV-1 infected H9 cells, lysed with 0.5% Triton X-100, and purified by immunoaffinity chromatography using mouse monoclonal antibody to HIV-1 gp41.

Unit Size: 50 µg

Fill Volume: 75 µL

Suspending Buffer: Dulbecco's Phosphate Buffered Saline, pH 7.4, without stabilizers or preservatives

QUALITY CONTROL DATA

Protein Concentration: 0.7 mg/mL determined by BCA protein assay using BSA standard. Alternative methods for determining protein concentration may give different results.

Purity: 95% pure as estimated by analysis of Coomassie blue stained SDS-PAGE.

Western Blot Testing Reactive in Western blot using HIV-1 antibody positive human serum.

PRODUCT DETAILS

Shipping and Storage: This product is shipped frozen on dry ice. **Store at -70°C upon receipt.** Avoid multiple freeze-thaw cycles as product degradation may result.

Recommendations: Upon thawing, centrifuge the vial for a few seconds to remove residual droplets from the lid.

Safe Handling Recommendation: This biological preparation should be handled in accordance with biosafety guidelines defined in the BMBL, NIH-CDC HHS Publication No. (CDC) 21-1112.

References: 1. Chen, J., et al. Detection of antibodies to human immunodeficiency virus (HIV) that recognize conformational epitopes of glycoproteins 160 and 41 often allows for early diagnosis of HIV infection. *The Journal of Infectious Diseases* 2002; 186: 321-331.

2. O'Keefe, B. R., et al. Analysis of the interaction between the HIV-inactivating protein cyanovirin-N and soluble forms of the envelope glycoproteins gp120 and gp41. *Molecular Pharmacology* 2000; 58: 982-992.

**This product is for research use only.
Not for use in diagnostic procedures.**

Heather Stine
Quality Control

04/16/2018
Date

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CERTIFICATE OF ANALYSIS