

Certificate of Analysis for HRP-12474

Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) gp120 Glycoprotein (3BNC117), Recombinant from CHO Cells

Catalog No. HRP-12474

Product Description:

Antibody Class: IgG1k

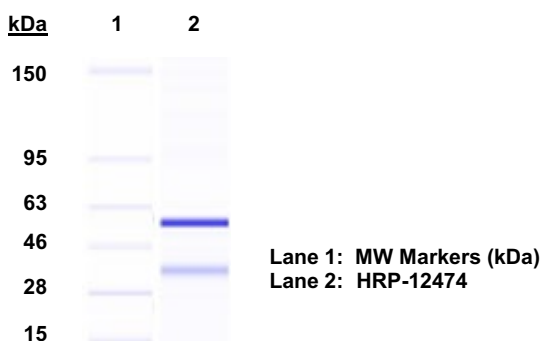
HRP-12474 is a recombinant monoclonal anti-human immunodeficiency virus type 1 (HIV-1) gp120 antibody, clone 3BNC117, that binds specifically to the CD4 binding site of the envelope glycoprotein (Env gp120) and has both potent and broad neutralization properties. This antibody originates from an HIV-1-infected male from the United States. HRP-12474 was produced by cotransfecting heavy and light chain immunoglobulin expression plasmids in Chinese hamster ovary (CHO; Expi293F) cells, followed by antibody purification by protein G affinity chromatography.

Lot: 70074723

Manufacturing Date: 21APR2025

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG1k	IgG1k
Agilent® Protein 230 Analysis	Correct molecular weight (MW) for heavy and light chains; Report purity	Correct molecular weight (MW) for heavy and light chains (Figure 1); 96.2% pure
Concentration by Spectrophotometer at OD ₂₈₀	~ 1 mg/mL	1.1 mg/mL
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

Figure 1: Agilent® Protein 230 Analysis



/Kenneth R. Crawford/

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10 SEP 2025

Lead Technical Writer or designee, ATCC Federal Solutions

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BEI Resources

www.beiresources.org

E-mail: contact@beiresources.org

Tel: 800-359-7370

Fax: 703-365-2898