

BioassayPlus Inc.

4510 Rhodes Drive, Windsor, Canada N8W 5K5

Certificate of Analysis

Storage: After receipt, store at -20°C. Avoid multiple freeze/thaw cycles.

Important note: centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: HIV2-gag

Product name: Recombinant HIV-2 gag(P24)

Description: HIV2 gag is an early marker to be detected in patient blood as early as 2 weeks after HIV2 infection, it appears earlier than the antibody to gag, gp36 or gp120. With the appearance of positive anti-HIV2 antibody, HIV2 gag or P24 disappears, it is called as “window time”. gag or p24 is a component of HIV2 particle capsid. The p24 protein is derived from a precursor polyprotein of HIV2, p55 that is cleaved into shorter polypeptides namely p24 (core), p17 (matrix) and p7/p9 (nucleocapsid) proteins. The p24 protein is nonglycosylated and is of approximately 24 kDa size. The protein forms the core of the virus and encapsulates the viral genetic code.

Recombinant p24 protein covers full length of HIV2 p24. it contains 231 amino acids with the molecular size 24kDa. This protein sometime forms dimer, on SDS-PAGE gel, a monomer and dimer protein may appear simultaneously.

Source: *E. coli*

Format: Purified, Liquid

Purification: >90% pure on 10% SDS-PAGE (Coomassie blue stain), purified by proprietary chromatographic technique

Concentration: 1.0mg/ml (lot: 05-2023)

Buffer: PBS with 25mM K₂CO₃

Applications: EIA, WB and LFA

