

# Bioassayplus Inc.

4510 Rhodes Drive. Windsor, Canada N8W 5K5

## Certificate of Analysis

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Product name:** HIV2 envelope gp36

**Catalog #:** HIV2-gp36

**Description:** HIV2 gp36 protein contains HIV2 subtype A gp36 sequence. This antigen reacts to HIV2 samples, in ELISA test, HIV2 samples collected in the house was tested positive with S/CO from 6 to 17 by when 0.5ug to 30ng protein was coated to ELISA plate. This protein is developed for the application for medical device.

**Source:** *E. coli*

**Format:** Purified, Liquid

**Purification:** >90% pure (10% SDS-PAGE, Coomassie blue staining)

**Concentration:** 0.8mg/ml ( Lot: 07162021)

**Buffer:** PBS/25mM K<sub>2</sub>CO<sub>3</sub>

**Preservative:** 0.025% NaN<sub>3</sub>

**Applications:** lateral flow and ELISA

**Storage:** store in 4°C for short time only, aliquot to avoid repeated freezing and thawing, store at -20°C.



ug or ng/ml	20ug	4ug	0.8ug	0.16ug
Coated on well	0.8ug	160ng	32ng	6.4ng
OD, 1:250 diluted HIV1	1.87	1.78	1.18	0.218
OD, 1:250 normal serum	0.09	0.03	0.02	0.02
Signal/CO	21.2	61	53	9