

## Product datasheet for **EA290002**

### One-step HIV-1 p24 Protein ELISA Kit 1 x 96

#### Product data:

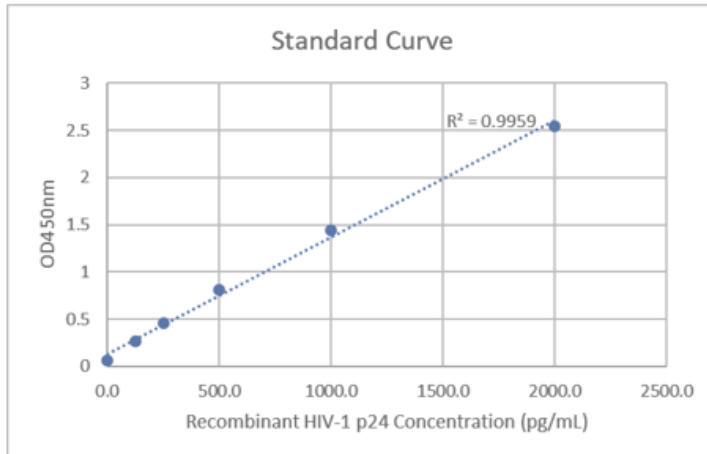
Product Type:	ELISA Kits
Description:	One-step HIV-1 p24 Protein ELISA Kit 1 x 96
Size:	1 x 96 wells
Format:	8x12 divisible strips
Assay Type:	Sandwich
Assay Length:	1.5 hours incubations; 10 minutes washing and analyzing samples
Signal:	Colorimetric
Curve Range:	125-2000 pg/mL
Sample Type:	Cell culture supernatant, lentiviral sample
Sample Volume:	1µl of lentiviral sample or 90µl diluted sample
Specificity:	This kit is used for the detection of HIV-1 p24 protein
Sensitivity:	4.18pg/mL
Reactivity:	Virus
Cross Reactivity:	There is no detectable cross-reactivity with other relevant proteins.
Components:	<ul style="list-style-type: none"><li>• HIV-1 p24 Antibody Coated 96-well Plate in foil pouch with desiccant   1 plate</li><li>• Recombinant P24 Standard (100ng/ml)   0.1 mL</li><li>• 1x P24 Detection Antibody-HRP Conjugate   2 mL</li><li>• Assay Buffer   60 mL</li><li>• Lysis Buffer 2 mL</li><li>• Wash Buffer Concentrate 20X   30 mL</li><li>• TMB Substrate   12 mL</li><li>• Stop Solution   12 mL</li></ul>



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**Background:**

The gag protein p24 (MW 24kD) is a major structural protein of the HIV capsid, which is required for virus particle assembly. There are approximately 2000 p24 molecules per virus particle, or at a molecule weight of 24 kDa, about 104 virus particles per picogram of p24. The onset of symptoms of AIDS correlates with an increased level of virus and p24 in the blood. HIV-1 p24 measurement is commonly used as an indicator of HIV-1 infection and viral load. In gene therapy, HIV-derived lentiviral vectors are commonly used to deliver transgenes to mammalian cells. Quantitative detection of the HIV-1 p24 has become a standard method for measuring lentiviral transduction efficiency.

**Product images:**

Data image of HIV-1 p24 Protein ELISA Kit.