

DESCRIPTION

Species Reactivity	Viral
Specificity	Detects viral HIV-1 Gag p24 in direct ELISAs
Source	Monoclonal Mouse IgG ₁ Clone # 1042960
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	E. coli-derived recombinant viral HIV-1 Gag p24 Pro149-Gly354 Accession # Q77YG1_9HIV1
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

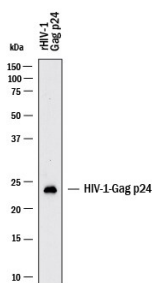
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	rHIV-1 Gag p24
ELISA	This antibody functions as an ELISA detection antibody when paired with mouse anti-HIV-1 Gag p24 Monoclonal Antibody (Catalog # MAB11189). This product is intended for assay development on various assay platforms requiring antibody pairs.	

DATA

Western Blot



Detection of Recombinant HIV-1 Gag p24 HIV-1 Gag p24 by Western Blot. Western blot shows lysates of rHIV-1 Gag p24. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Viral HIV-1 Gag p24 Monoclonal Antibody (Catalog # MAB11188) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # [HAF018](#)). A specific band was detected for HIV-1 Gag p24 at approximately 23 kDa (as indicated). This experiment was conducted under reducing conditions and using Western Blot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

The gag gene of human immunodeficiency virus 1 (HIV-1) encodes a precursor protein known as Pr55Gag. The viral protease PR cleaves this precursor to generate p17, p24, p7, and p6 proteins which are required for virus particle assembly. p24 is a major viral core structural protein. Its measurement is commonly used as an indicator of HIV-1 infection and viral load