Viral HIV-1 Gag p24 Antibody

Monoclonal Mouse IgG_{2A} Clone # 1042904

Catalog Number: MAB73603

DESCRIPTION

Species Reactivity	Viral
Specificity	Detects viral HIV-1 Gag p24in direct ELISAs.
Source	Monoclonal Mouse IgG_{2A} Clone # 1042904
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant viral HIV-1 Gag p24 Pro149-Gly354 Accession # Q77YG1
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.

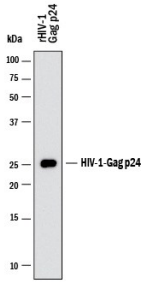
APPLICATIONS

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	Recombinant HIV-1 Gag p24

DATA

Western Blot



Detection of HIV-1 Gag p24 by Western Blot. Western blot shows recombinant HIV-1 Gag p24. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Viral HIV-1 Gag p24 Monoclonal Antibody (Catalog # MAB73603) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for HIV-1 Gag p24 at approximately 24 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.** • 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.

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