

Viral HIV-1 Gag p24 Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2230C Catalog Number: MAB9539

DESCRIPTION			
Species Reactivity	Viral		
Specificity	Detects viral HIV-1 Gag p24 in Western blots.		
Source	Recombinant Monoclonal Rabbit IgG Clone # 2230C		
Purification	Protein A or G purified from cell 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	0.1 μg/mL	See Below

Detection of HIV-1 Gag p24 by Western Blot. Western blot shows recombinant HIV Gag p24. PVDF membrane was probed with 0.1 µg/mL of Rabbit Anti-Viral HIV-1 Gag p24 Monoclonal Antibody (Catalog # MAB9539) followed by HRP-conjugated AntiRabbit IgG Secondary Antibody (Catalog # HAF008). 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 Immunoblot 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.

biotechne