

ARG10167
anti-HIV1 P24 Core Protein antibody [340]Package: 500 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [340] recognizes HIV1 P24 Core Protein
Tested Reactivity	HIV
Tested Application	ELISA, WB
Specificity	No cross activity with HIV-1 GP41 and HIV-2 GP36 was found.
Host	Mouse
Clonality	Monoclonal
Clone	340
Isotype	IgG1, kappa
Target Name	HIV1 P24 Core Protein
Species	HIV
Immunogen	Purified recombinant HIV-1 p24 (core protein)
Conjugation	Un-conjugated

Application Instructions

Application Note	<p>ELISA: This monoclonal antibody can be used as capture antibody in sandwich ELISA for HIV p24 detection in combination with HRP-conjugated tracer antibody (Clone 473, Cat No: ARG10168) and the sensitivity is around 2 ng/ml.</p> <p>Western Blot: 0.1µg /lane of recombinant HIV p24 can be detected on blot when antibody is used at 0.1µg/mL.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>
------------------	---

Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.2)
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background	P24 is the 24KDa, non-glycosylated protein that forms the Core (Capsid) of human immunodeficiency virus (HIV) and other Lentiviruses in the Retroviridae family. P24 is expressed immediately after HIV infection and is detectable before host HIV antibody can be detected. Hence, HIV p24 is currently the target for early diagnosis of HIV acute infection.
Highlight	Related Antibody Duos and Panels: ARG30053 Human Immunodeficiency Virus-1 (HIV-1) p24 ELISA Antibody Duo Related products: HIV1 antibodies; HIV1 Duos / Panels; Anti-Mouse IgG secondary antibodies;
Research Area	Immune System antibody; Microbiology and Infectious Disease antibody