

Centre for AIDS Reagents

Data Sheet

DESCRIPTION: Monoclonal Antibody to HIV-1 p24

REPOSITORY REFERENCE: ARP3243.1 - 5

ORIGINATORS DESIGNATION:

Repository Reference	Clone	Isotype	Epitope	Reacts with
ARP3243.1	#5	IgG1	aa 48-62 (TPQDLNLTMLNTVGGH - HIV-1 HXB ₂)	Native p24 & rp24
ARP3243.2	2N34	IgG1	aa 74-84 (NEEAAEWDVRVH B-subtype aa consensus)	Native p24 & rp24
ARP3243.3	05-009	IgG1	aa 80-90 (WDRVHPVHAGP B-subtype aa consensus)	Native p24 & rp24
ARP3243.4	N29	IgG1	aa 1-104 (N-terminus)	Native p24 & rp24
ARP3243.5	05-004	IgG1	aa 165-231 (C-terminus)	Native p24 & rp24

NOTE: ARP3243.2 & ARP3243.3 are not available. The source no longer produces these antibodies and CFAR has very low stocks of the other antibodies listed above.

HOST: BALB/c

PURITY: These antibodies are affinity chromatography purified.

PROTEIN CONCENTRATION: 1mg/ml each

STORAGE BUFFER: PBS pH 7.4, with 0.1% sodium azide

SPECIAL CHARACTERISTICS: React in ELISA, WB, IHC, IF, RIP with HIV-1 native p24 as well as rp24 expressed in bacteria and Cos-7 cells. These antibodies recognize rp24 of HIV-1 subtypes A, B and C. Titre in ELISA/WB using rp24 protein with subtype B aa consensus – 1:25,000/1:10,000. Monoclonal antibody working titre has to be established practically for each particular antigen and assay format.

STORAGE: Store at -20°C - 70°C upon receipt. Avoid multiple freeze-thaw cycles as product degradation may result

SOURCE: Quattromed Ltd., Tartu, Estonia

ACKNOWLEDGEMENTS: Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website at: http://www.nibsc.org/spotlight/centre_for_aids_reagents.aspx in the “Acknowledgements” section.

Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or a paper copy)