



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Anti-HIV-1 p24 Monoclonal (AG3.0)
<b>Catalog Number:</b>	4121
<b>Lot Number:</b>	180013
<b>Release Category:</b>	E
<b>Provided:</b>	1.0 mL of unpurified cell culture supernatant Material is undiluted.
<b>Description:</b>	A monoclonal antibody to HIV-1 p24 specifically to the N-terminus region (epitope: SPRTLNA)
<b>Host:</b>	Mouse
<b>Titer:</b>	The user should determine the optimal concentration for any application.
<b>Special Characteristics:</b>	This antibody was produced in cell culture. It originates from a hybridoma. The hybridoma was created by fusing Balb/c splenocytes with SSP2/10 myeloma cells.  This broadly reactive IgG monoclonal recognizes p24, p55, and p150 (gag-pol) from HIV-1, HIV-2, and multiple SIV species (including SIVagm and SIVmac).  Applications: Western, Flow cytometry, IHC, RIPA, antigen capture assays
<b>Recommended Storage:</b>	Keep at 4°C for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.
<b>Contributor:</b>	Dr. Jonathan Allan
<b>Isotype:</b>	IgG <sub>1</sub>

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ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

**References:**

Simm, M., Shahabuddin, M., Chao, W., Allan, J. S., & Volsky, D. J. (1995). Aberrant Gag protein composition of a human immunodeficiency virus type 1 vif mutant produced in primary lymphocytes. *J Virol*, 69(7), 4582-4586. [PUBMED](#)

Sanders-Ber, B. E., Eschricht, M., Seifried, J., Hirsch, V. M., Allan, J. S., & Norley, S. (2012). Characterization of a monoclonal anti-capsid antibody that cross-reacts with three major primate lentivirus lineages. *Virology*, 422(2), 402-412. doi:10.1016/j.virol.2011.11.003 [PUBMED](#)

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-HIV-1 p24 Monoclonal (AG3.0) from Dr. Jonathan Allan (cat# 4121)." Also include the reference cited above in any publications.

**Limited to one aliquot per laboratory per year.**

**Last Updated**

June 25, 2020

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