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DATA SHEET

Reagent:	Anti-HIV-1 gp120 Monoclonal (4G10)
Catalog Number:	2534
Lot Number:	130406
Release Category:	D
Provided:	1 mL tissue culture supernatant.
Host:	Balb/c splenocyte x Ag8658 myeloma.
Special Characteristics:	Raised against hybrid HBcAg/HIV-1 gp120 (aa 303-327) particles. Recognizes LAI gp160 and the V3 peptide RIQRGPGRAFVTGK (aa 308-322) in ELISA. Also recognizes gp120 in Western blots and IFA of LAI-infected H9 cells. The antibody inhibits syncytium formation, RT activity, and p24 production *in vitro* (100% over 20 days). ARP3012 4G10 Mab Recognizing ARP656 HIV-1 gp160 protein. Endotoxin: 17.152 EU/mL* *NOTE: Endotoxin has been shown to induce chemokines and other soluble HIV and SIV inhibitory factors in primary cultures of PBMC, monocytes and macrophages (Verani et al., J Exp Med 185:805-816, 1997; J Immunol 168:6388-6396, 2002; Montefiori in preparation). Thus, caution is advised when using this reagent for in vitro studies involving primary cells.
Recommended Storage:	Keep at 4°C for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.
Contributor:	Dr. Albrecht von Brunn, Courtesy of the MRC AIDS Directed Programme.
Isotype:	IgG_1.

References:

von Brunn A, Brand M, Reichhuber C, Morys-Wortman C, Deinhardt F, Schödel F. Principal neutralizing domain of HIV-1 is highly immunogenic when expressed on the surface of hepatitis B core particles. *Vaccine* **11**:817-824, 1993.

von Brunn A, Reichhuber C, Brand M, Bechowsky B, Gürtler L, Eberle J, Kleinschmidt A, Erfle V, Schödel F. The principal neutralizing determinant (V3) of HIV-1 induces HIV-1-neutralizing antibodies upon expression on HBcAg particles. In: *Vaccines 93*, Cold Spring Harbor Press; Cold Spring Harbor, New York, pp 159-165, 1993.

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 gp120 Monoclonal (4G10) from Dr. Albrecht von Brunn, Courtesy of the MRC AIDS Directed Programme." Also include the references cited above in any publications.

Last Updated

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