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DATA SHEET

Reagent: Anti-HIV-1 gp41 Monoclonal (Chessie 8)

Catalog Number: 13049

Lot Number: 170138

Release Category: B

Provided: 1 mg of purified antibody at 2.2 mg/mL in PBS, pH 7.4 (sterile filtered and does not contain preservatives)
Endotoxin = 0.62 EU/mg by LAL method

Description: A monoclonal antibody to HIV-1 gp41 (epitope 727-732 PDRPEG)

Host: Mouse

Titer: The user should determine the optimal concentration for any application.

Special Characteristics: This antibody was produced in cell culture and purified by Protein G chromatography. It originates from a hybridoma. The hybridoma was created by immunizing a BALB/cJ mouse with a HIV-1 gp160 recombinant protein and fusing the resulting splenocytes with P3X63 Ag8.X653 myeloma cells.

The epitope for Chessie 8 is expressed in all forms for gp41, monomers, dimers, trimers, and tetramers.

Please see the [LANL HIV Molecular Database](#) for more information.

Recommended Storage: Keep the reagent at 4°C for short term storage and at -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.

Contributor: Dr. George Lewis

Isotype: IgG₁

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: Abacioglu, Y. H., Fouts, T. R., Laman, J. D., Claassen, E., Pincus, S. H., Moore, J. P., . . . Lewis, G. K. (1994). Epitope mapping and topology of baculovirus-expressed HIV-1 gp160 determined with a panel of murine monoclonal antibodies. *AIDS Res Hum Retroviruses*, 10(4), 371-381. doi:10.1089/aid.1994.10.371 [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 gp41 Monoclonal (Chessie 8) from Dr. George Lewis." Also include the references cited above in any publications.

Last Updated August 31, 2017

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