



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Anti-HIV-1 gp41 Monoclonal (1577)

**Catalog Number:** 1172

**Lot Number:** 140414

**Release Category:** B

**Provided:** 500 µg purified antibody at 2 mg/ml.  
**Material is not sterile. Filter sterilize before use.**

**Description:** An anti-gp41 monoclonal antibody.

**Host:** Balb/c splenocyte x NSO myeloma.

**Special Characteristics:** Raised against a chimeric HIV-1<sub>IIIB</sub>/poliovirus containing the highly conserved 735-752 region of gp41 and the poliovirus VP1 capsid protein. This antibody is specific for region 735-752, and neutralizes infection of C8166 cells infected with HIV-1 IIIB, RF, SF33, CBL4, Z48, and Z129.

**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. Morag Ferguson (Produced by CFAR, NIBSC)

**Isotype:** IgG<sub>3</sub>.

**References:** Evans DJ, McKeating J, Meredith JM, Burke KL, Katrak K, John A, Ferguson M, Minor PD, Weiss RA, Almond JW. An engineered poliovirus chimaera elicits broadly reactive HIV-1 neutralizing antibodies. *Nature* **339**:385-388, 1989.

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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.

**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 (1577) from Dr. Morag Ferguson, courtesy of the MRC AIDS Directed Programme." Also include the reference cited above in any publications.

**Last Updated**

January 25, 2018

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