



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** CH57 mAb

**Catalog Number:** 12549

**Lot Number:** 140145

**Release Category:** C

**Provided:** 50 µg at 1.0 mg/mL in phosphate buffered saline, pH 7.4.

**Description:** Recombinant human antibody recognizing the C1 region of HIV-1 envelope. It contains S298A/E333A/K334A/N429A mutations in the IgG1 constant region, which have been shown to aid ADCC activity. This ADCC mediating antibody was produced in CHO cells and purified using Protein A chromatography.

**Host:** Human

**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:** Duke Human Vaccine Institute, Duke University Medical Center

**Isotype:** IgG1

**References:** Bonsignori, M., Pollara, J., Moody, M. A., Alpert, M. D., Chen, X., Hwang, K. K., Gilbert, P. B., Huang, Y., Gurley, T. C., Kozink, D. M., Marshall, D. J., Whitesides, J. F., Tsao, C. Y., Kaewkungwal, J., Nitayaphan, S., Pitisuttithum, P., Rerks-Ngarm, S., Kim, J. H., Michael, N. L., Tomaras, G. D., Montefiori, D. C., Lewis, G. K., DeVico, A., Evans, D. T., Ferrari, G., Liao, H. X. & Haynes, B. F. (2012). Antibody-dependent cellular cytotoxicity-mediating antibodies from an HIV-1 vaccine efficacy trial target multiple epitopes and preferentially use the VH1 gene family. *J Virol* 86, 11521-32.

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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: CH57 from Drs. Barton F. Haynes and Hua-Xin Liao." Also include the references cited above in any publication.

**Last Updated**

February 17, 2017

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