



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** HG107 mAb

**Catalog Number:** 12553

**Lot Number:** 140149

**Release Category:** C

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

**Description:** Recombinant human antibody recognizing the V2 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 antibody was produced in CHO cells and purified using Protein A chromatography.

**Host Site:** 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.

Liao, H. X., Bonsignori, M., Alam, S. M., McLellan, J. S., Tomaras, G. D., Moody, M. A., Kozink, D. M., Hwang, K. K., Chen, X., Tsao, C. Y., Liu, P., Lu, X., Parks, R. J., Montefiori,

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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.

D. C., Ferrari, G., Pillara, J., Kao, M., Peacnman, K. K., Santra, S., Letvin, N. L., Karasavvas, N., Yang, Z. Y., Dai, K., Pancera, M., Gorman, J., Wiehe, K., Nicely, N. I., Rerks-Ngarm, S., Nitayaphan, S., Kaewkungwal, J., Pitisuttithum, P., Tartaglia, J., Sinangil, F., Kim, J. H., Michael, N. L., Kepler, T. B., Kwong, P. D., Mascola, J. R., Nabel, G. J., Pinter, A., Zolla-Pazner, S. & Haynes, B. F. (2013). Vaccine induction of antibodies against a structurally heterogeneous site of immune pressure within HIV-1 envelope protein variable regions 1 and 2. *Immunity* 38, 176-86.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HG107 from Drs. Barton F. Haynes and Hua-Xin Liao." Also include the references cited above in any publication.

**Last Updated**

February 10, 2015

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