



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent: CH04 mAb

Catalog Number: 12564

Lot Number: 140160

Release Category: C

Provided: 1.0 mg/mL in phosphate buffered saline, pH 7.4

Description: Recombinant human antibody recognizing the V1V2 region of HIV-1 envelope. This antibody is an HIV-1 broadly neutralizing containing S298A/E333A/K334A mutations in the IgG1 constant region, which have been shown to aid ADCC activity. It 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., Hwang, K. K., Chen, X., Tsao, C. Y., Morris, L., Gray, E., Marshall, D. J., Crump, J. A., Kapiga, S. H., Sam, N. E., Sinangil, F., Pancera, M., Yongping, Y., Zhang, B., Zhu, J., Kwong, P. D., O'Dell, S., Mascola, J. R., Wu, L., Nabel, G. J., Phogat, S., Seaman, M. S., Whitesides, J. F., Moody, M. A., Kelsoe, G., Yang, X., Sodroski, J., Shaw, G. M., Montefiori, D. C., Kepler, T. B., Tomaras, G. D., Alam, S. M., Liao, H. X. & Haynes, B. F. (2011). Analysis of a clonal lineage of HIV-1 envelope V2/V3 conformational epitope-specific broadly neutralizing antibodies and their inferred unmutated common ancestors. *J Virol* 85, 9998-10009.

Bonsignori, M., Montefiori, D. C., Wu, X., Chen, X., Hwang, K. K., Tsao, C. Y., Kozink, D. M., Parks, R. J., Tomaras, G. D., Crump, J. A., Kapiga, S. H., Sam, N. E., Kwong, P. D., Kepler, T. B., Liao, H. X., Mascola, J. R. & Haynes, B. F. (2012). Two distinct broadly

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.

neutralizing antibody specificities of different clonal lineages in a single HIV-1-infected donor: implications for vaccine design. J Virol 86, 4688-92.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: CH04 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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