



NIH AIDS Reagent Program

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DATA SHEET

Reagent: N6 mAb Heavy Chain Expression Vector

Catalog Number: 12967

Lot Number: 170020

Release Category: C

Provided: 5 µg of purified DNA at 1.1 µg/µL

Cloning Site: AgeI/SalI cloning site
The size of the insert is 500 bp.

Cloning Vector: CMVR
Kanamycin resistant

Description: A N6 mAb heavy chain expression vector which can be used with the corresponding N6 mAb light chain expression vector (cat# 12966) to produce the monoclonal antibody, N6.

Special Characteristics: This construct is 5829 bp including the insert.
This is a heavy chain expression vector for the broadly neutralizing antibody, N6. The expression vector codes for a signal peptide sequence, and variable and constant regions of IgG1 heavy chain expressed under the control of the HCMV (human cytomegalovirus immediate-early) promoter.
This plasmid can be used in conjunction with the complementary N6 mAb light chain expression vector (cat# 12966) to produce the monoclonal antibody N6.
GenBank Accession Number: [KX595108](#)
[Contributor provided sequence information](#)
Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.

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.

Recommended Storage: Keep the reagent at -20°C or lower. Avoid freeze-thaw cycles as reagent degradation may result.

Contributor: Drs. Jinghe Huang and Mark Connors

References: Huang, J., Kang, B. H., Ishida, E., Zhou, T., Griesman, T., Sheng, Z., . . . Connors, M. (2016). Identification of a CD4-Binding-Site Antibody to HIV that Evolved Near-Pan Neutralization Breadth. *Immunity*, 45(5), 1108-1121. doi:10.1016/j.immuni.2016.10.027 [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: N6 mAb Heavy Chain Expression Vector from Drs. Jinghe Huang and Mark Connors." Also include the references cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact: The Office of Technology Development, NIAID, 6610 Rockledge Drive, Suite 2800, MSC 6606, Bethesda, MD, 20892-6606, Tel:301-496-2644, Fax: 301-402-7123, before the reagent can be released.

Last Updated: July 20, 2017

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