NIH AIDS Reagent Program
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DATA SHEET

Reagent:	Anti-HIV-1 gp41 Monoclonal (10E8)
Catalog Number:	12294
Lot Number:	150328
Release Category:	C
Provided:	500 µg affinity purified antibody in PBS, 10% glycerol, pH 7.0 (500 µL at 1.0 mg/mL).
Description:	10E8 is a broadly neutralizing HIV-1 antibody against all major subtypes. The epitope is within the MPER.
Special Characteristics:	The expression vectors for this antibody are also available. Heavy chain (cat# 12290) and light chain (cat# 12291) plasmids, can be used to express mAb in 293T cells. 10E8 tends to precipitate at 4°C or after -20°C storage, please warm it up at 37°C for 1 hour before use. Purity: ~95% Endotoxin Level: 0.1 EU/mg
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:	Jinghe Huang, Leo Laub, and Mark Connors
Isotype:	IgG1
References:	Jinghe Huang, Gilad Ofek, Leo Laub, Mark K. Louder, Nicole A. Doria-Rose, Nancy S. Longo, Hiromi Imamichi, Robert T. Bailer, Bimal Chakrabarti, Shailendra K. Sharma S. Munir Alam, Tao Wang, Yongping Yang, Baoshan Zhang, Stephen A. Migueles, Richard Wyatt, Barton F. Haynes, Peter D. Kwong, John R. Mascola and Mark Connors. Broad and potent neutralization of HIV-1 by a gp41-specific human antibody. Nature (2012) doi:10.1038/ nature11544

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 (10E8), from Dr. Mark Connors." Also include the reference cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the NIH Office of Technology Transfer,
Email: NIAIDAIDSReagent@niaid.nih.gov, before the reagent can be released.
Please specify the name and a description of the intended use of the reagent.

Last Updated November 07, 2017

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