

Cover image: Pictured is antibody 2F5 (blue) superimposed onto its mimic, antibody 11F10 (orange and purple). 2F5, which can neutralize HIV-1 (gray), is hard for the immune system to elicit, partly because the recognized part of HIV-1 changes shape. Gilad Ofek et al. have developed a technique for placing the antibody-recognized epitope of 2F5 in a protein scaffold. Animals inoculated with 2F5-epitope scaffolds produced antibodies that induced flexible versions of the 11F10 epitope (red) to adopt a shape similar to that of the 2F5 epitope (white). The findings demonstrate a strategy for designing better vaccines. See the feature article by Ofek et al. on pages 17880–17887. Image courtesy of Jonathan Stuckey (Vaccine Research Center, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD).

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