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(54) **Kits for displacement Sandwich Immuno-PCR**

(57) The present invention is directed to labeling antibodies with DNA in a convenient kit format for the purpose of producing and utilizing nucleic acid detection immunoassays. The process comprises treating a reporter antibody with a chemically activated strand of DNA, which serves as a template for any DNA amplification system. The reporter antibody-DNA conjugate is used to form a complex with corresponding antigen. The complex can be detected by the production of multiple copies of the DNA template. The kit may also provide an activated DNA sequence to label a capture antibody. The DNA conjugated to the capture antibody is modified to contain a high affinity binding ligand for the purpose of coating a solid support. The coated solid support functions to capture the immune complex containing reporter antibody in a sandwich assay format.; The DNA sequence of the capture antibody may also have properties providing for the detachment of the complex from the solid support.

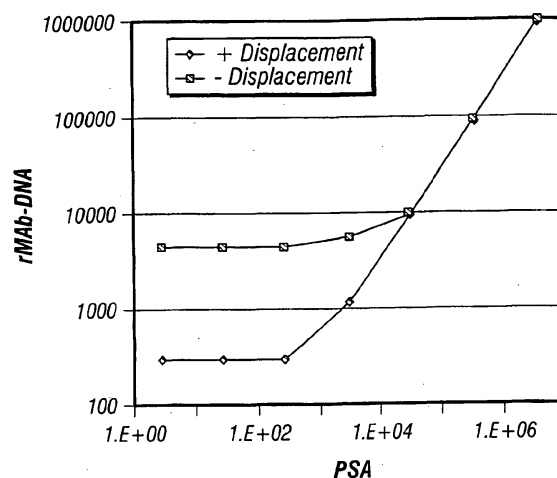


FIG. 2