

A monoclonal antibody to HIV-1 p55/p24 prepared by Drs R B Ferns and R S Tedder (ADP313/EH12E1) has been conjugated to alkaline phosphatase by Novo Biolabs, Cambridge. The purified conjugate has been stabilised by the addition of 10 mg/ml BSA and 0.1% sodium azide.

When used in a twin-site ELISA as a detection antibody, the conjugate should first be titrated in the presence and absence of antigen to find the optimal concentration. As a guide, a dilution of approximately 1:500 can be used in conjunction with the Aalto Bioreagents anti-p24 serum (D7320) as capture antibody and the Novo Biolabs AMPAK system. Under these conditions p24 should be detectable at approximately 1-10 ng/100 μ l.

The material should be placed at -20°C for long-term storage but can be held at 4°C for short periods. Repeated freeze-thawing should be avoided.