



Antibody Specification Sheet

Anti-Human Immunodeficiency Virus Reverse Transcriptase (HIV-RT) - Biotin

Catalog reference: AS35-B

Size: 0.1 mg



Antibody Information:

Antigen: recombinant immuno-deficiency virus reverse transcriptase (HIV-RT).

Ig Class: mIgG1.

Form: biotin conjugate.

Specificity: recognizes an epitope on HIV-RT that is different from the AS34-P epitope.

Antibody Source: monoclonal antibody from BALB/c-derived hybridomas.

Production: *in vitro* cell culture.

Purification: Protein A agarose chromatography.

Purity: ≥95%.

Formulation: provided as a 0.2 µm sterile-filtered solution

in Ca⁺⁺ & Mg⁺⁺ free Dulbecco's PBS with 0.05% sodium azide.

Concentration: 1 mg/ml.

Recommendations: ELISA.

Storage conditions: store undiluted at 4 °C or in aliquots at ≤ -20 °C.

Applications:

Elisa: This antibody has been used as solution phase antibody at 2 µg/ml in a two site ELISA with AS34-P. Typically the ELISA has a working range of 2-500 ng/ml and a sensitivity of <1 ng/ml

of HIV-RT. Recommended sample volumes are 50-200 µl. (Kenney, JS, Masada, MP, and Allison AC, *Laboratory Methods in Immunology*, Vol. 1, 231, 1990).

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

Antibody Solutions

1206 Charleston Road, Mountain View, CA 94043, USA

Tel: 650-938-4300, FAX: 650-938-4390

E-mail: solns@antibody.com