

**AM05230BT-N****Monoclonal Antibody to HIV reverse transcriptase (HIV-RT) - Biotin**

<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	Lot specific
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	AS35
<b>Immunogen:</b>	Recombinant immuno-deficiency virus reverse transcriptase (HIV-RT).
<b>Format:</b>	<b>State:</b> Liquid (sterile filtered) purified IgG fraction. <b>Purification:</b> Protein G chromatography (> 95% by SDS-PAGE). <b>Buffer System:</b> Dulbecco's PBS (without Ca <sup>++</sup> and Mg <sup>++</sup> ) containing 0.08% Sodium Azide as preservative. <b>Label:</b> Biotin
<b>Applications:</b>	<b>ELISA:</b> The biotin form of this antibody has been used as solution phase Ab at 2 ug/ml in a two site ELISA with AS34. Typically the ELISA has a working range of 2-500 ng/ml and a sensitivity of < 1 ng/ml HIV-RT. Recommended sample volumes are 50-200 ml. <b>Immunoprecipitation:</b> This antibody has been used to immunoprecipitate > 90% HIV-RT in solution using a double-antibody method. (Midgley, AR and Hepburn, MR, Methods Enzymol., 70, 266, 1980). Also accomplished using Protein G agarose. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Recognizes an epitope on HIV-RT that is different from AS34 epitope.
<b>Storage:</b>	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: One year from despatch.