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## AM05230BT-N

## Monoclonal Antibody to HIV reverse transcriptase (HIV-RT) -Biotin

Quantity:	0.1 mg
Concentration:	Lot specific
Host / Isotype:	Mouse / IgG1
Clone:	AS35
Immunogen:	Recombinant immuno-deficiency virus reverse transcriptase (HIV-RT).
Format:	<ul> <li>State: Liquid (sterile filtered) purified IgG fraction.</li> <li>Purification: Protein G chromatography (&gt; 95% by SDS-PAGE).</li> <li>Buffer System: Dulbecco's PBS (without Ca++ and Mg++) containing 0.08% Sodium Azide as preservative.</li> <li>Label: Biotin</li> </ul>
Applications:	<ul> <li><u>ELISA:</u> 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 &lt; 1 ng/ml HIV-RT.</li> <li>Recommended sample volumes are 50-200 ml.</li> <li><u>Immunoprecipitation:</u> This antibody has been used to immunoprecipitate &gt; 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.</li> <li>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</li> </ul>
Specificity:	Recognizes an epitope on HIV-RT that is different from AS34 epitope.
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: One year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.