



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Anti-HIV-1 Rev Hybridoma (1G7)
<b>Catalog Number:</b>	7382
<b>Lot Number:</b>	160136
<b>Release Category:</b>	C
<b>Provided:</b>	1 mL of cells Post thaw cell count = $3.2 \times 10^6$ cells/mL Post thaw cell viability = 89%
<b>Cell Type:</b>	P3X63 Ag8.653 myeloma cells
<b>Isotype:</b>	IgG <sub>2b</sub> , $\kappa$ light chain.
<b>Propagation Medium:</b>	Donor Provided Propagation Media: Ultradoma (BioWhittaker), 95%; Fetal Bovine Serum, 5%. Current Propagation Media: UltraDOMA-PF Hybridoma Medium (Lonza 12-727F), 90%; Fetal Bovine Serum, 10%
<b>Freeze Medium:</b>	Donor Provided Freeze Media: Propagation medium (or any standard medium), 80%; Fetal Bovine Serum, 10%; DMSO, 10% Current Freeze Media: Propagation media, 50%; Fetal Bovine Serum, 40%; DMSO, 10%
<b>Growth Characteristics:</b>	Split at approximately $5 \times 10^5$ cells/ml (1:3). The cells grow in small clumps in solution, dependant on growth conditions. Supernatant can be harvested every 2-5 days.
<b>Description</b>	This hybridoma secretes a monoclonal antibody that recognizes HIV-1 Rev.

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ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

<b>Special Characteristics:</b>	<p>The antibody produced by this hybridoma reacts with HIV-1 Rev aa 95-105. Recombinant HIV-1 Rev used as the immunogen.</p> <p>Applications: ELISA, Western blot, IFA</p> <p>The monoclonal antibody is also available (Catalog #7376).</p>
<b>Sterility:</b>	Negative for mycoplasma, bacteria and fungi
<b>Recommended Storage:</b>	Keep the reagent in liquid nitrogen.
<b>Contributor:</b>	Dr. Anne Marie Szilvay
<b>References:</b>	<p>Jensen, T. H., Jensen, A., Szilvay, A. M., &amp; Kjems, J. (1997). Probing the structure of HIV-1 Rev by protein footprinting of multiple monoclonal antibody-binding sites. <i>FEBS Lett</i>, 414(1), 50-54. <a href="#">PUBMED</a></p> <p>Kalland, K. H., Szilvay, A. M., Langhoff, E., &amp; Haukenes, G. (1994). Subcellular distribution of human immunodeficiency virus type 1 Rev and colocalization of Rev with RNA splicing factors in a speckled pattern in the nucleoplasm. <i>J Virol</i>, 68(3), 1475-1485. <a href="#">PUBMED</a></p>
<b>NOTE:</b>	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-HIV-1 Rev Hybridoma (1G7) from Dr. Anne Marie Szilvay." Also include the references cited above in any publications.
<b>Last Updated</b>	August 29, 2017

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