

## Centre for AIDS Reagents

### Data Sheet

<b>REPOSITORY REFERENCE:</b>	<b>ARP3295</b>
<b>NAME:</b>	Mouse anti-human $\alpha 4\beta 7$ integrin (Act-1)
<b>CHARACTERISTICS:</b>	This antibody stains approximately 50% of NK cells, 30-40% of CD4+ and CD8+ T cells and 15-30% B cells by flow cytometry. It reacts with a unique epitope of $\alpha 4\beta 7$ integrin such that it does not block the binding of commercially available $\alpha 4$ integrin or $\beta 7$ integrin single chain specific monoclonal antibodies.
<b>PROVIDED:</b>	Each vial contains 200 $\mu$ l of the antibody at 10 mg/ml or 2 mg/200 $\mu$ l per vial. The antibody appears pure when subjected to SDS-PAGE electrophoresis. It is suspended in D-PBS, pH 7.4.
<b>HOST/MYELOMA SITE:</b>	BALB/c mice spleen cells fused with NS1 melanoma cells.
<b>ISOTYPE:</b>	IgG1 kappa
<b>TITER:</b>	0.5 TO 1.0 $\mu$ g is sufficient to stain a million PBMC's.
<b>RECOMMENDED STORAGE:</b>	Keep at $-70^{\circ}\text{C}$ until use. Once thawed, please keep at $4^{\circ}\text{C}$ if kept sterile or add 0.1% Na-azide solution to keep sterile. Re-freezing will lead to loss of reactivity.
<b>SOURCE:</b>	This monoclonal antibody was originally produced by Dr. A. I. Lazarovits (Please see J. Immunology 133 (4): 1857-1864, 1984) and was provided in 1986 to Dr. A. A. Ansari at Emory University School of Medicine by Dr. James T. Kurnick a co-author of the original paper.
<b>REFERENCES:</b>	Lazarovits et.al. Lymphocyte activation antigens. I. A monoclonal antibody, anti-Act I, defines a new late lymphocyte activation antigen. J Immunol. 1984 Oct;133(4):1857-62.
<b>RESTRICTIONS:</b>	This antibody should strictly be used for research purposes only. This antibody has been patented. This antibody should not be distributed without permission from Dr. A. A. Ansari.
<b>ACKNOWLEDGEMENTS:</b>	Publications should acknowledge the donor of the reagent and the Centre for AIDS Reagents. Suggested wording can be found on our website in the "Acknowledgement" section at:-

[www.nibsc.ac.uk/spotlight/centre\\_for\\_aids\\_reagents.aspx](http://www.nibsc.ac.uk/spotlight/centre_for_aids_reagents.aspx)

Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR, this can be by e-mail or printed copy.