

## Monoclonal Antibody to CD34 Class III - PE

<b>Alternate names:</b>	Hematopoietic progenitor cell antigen CD34, Hematopoietic progenitor cell marker
<b>Catalog No.:</b>	SM1791RT
<b>Quantity:</b>	25 Tests
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	CD34 is a 105-120 kD glycoprotein, expressed by haematopoietic stem cells and endothelial cells.
<b>Uniprot ID:</b>	<a href="#">P28906</a>
<b>NCBI:</b>	<a href="#">NP_001020280.1</a>
<b>GeneID:</b>	<a href="#">947</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	581
<b>Immunogen:</b>	Human T lymphocytes.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction. <b>Purification:</b> Affinity Chromatography on Protein A <b>Buffer System:</b> PBS, pH7.4 containing 0.09% Sodium Azide and 0.2% Bovine Serum Albumin. <b>Label:</b> PE – R. Phycoerythrin (RPE)
<b>Applications:</b>	Flow cytometry: Neat-1/10; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises the CD34 cell surface antigen, binding to an epitope classified as class III (resistant to neuraminidase, chymopapain and glycoprotease). <b>Species:</b> Human and Cynomolgus monkey. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. This product is photosensitive and should be protected from light. <b>DO NOT FREEZE!</b> Shelf life: 6 month from despatch.
<b>General References:</b>	1. Civin, C. I et al. (1984) Antigenic analysis of hematopoiesis. III. A hematopoietic progenitor cell surface antigen defined by a monoclonal antibody raised against KG-1a cells. J. Immunol. 133: 157-165. 2. Yoshino, N. et al. (2000) Upgrading of flow cytometric analysis for absolute counts, cytokines and other antigenic molecules of Cynomolgus monkeys ( <i>Macaca fascicularis</i> ) by using anti-human cross-reactive antibodies. Exp. Anim. 49: 97-110.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
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