

## Monoclonal Antibody to CD34 Class III - FITC

<b>Alternate names:</b>	Hematopoietic progenitor cell antigen CD34, Hematopoietic progenitor cell marker
<b>Catalog No.:</b>	SM1791F
<b>Quantity:</b>	0.1 mg
<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>Format:</b>	<b>State:</b> Liquid purified IgG fraction. <b>Purification:</b> Affinity Chromatography on Protein A <b>Buffer System:</b> PBS, pH 7.3, containing 0.2% BSA as stabilizer and 0.09% Sodium Azide as preservative. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> use 10 µl of neat-1/10 diluted antibody to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises the Human CD34 cell surface antigen, binding to an epitope classified as class III (resistant to Neuraminidase, Chymopapain and Glycoprotease).
<b>Species Reactivity:</b>	<b>Tested:</b> Human.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year 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. <i>J. Immunol.</i> 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. <i>Exp. Anim.</i> 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.

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