

## Product datasheet for **SM1603FX**

### **Cd34 Rat Monoclonal Antibody [Clone ID: MEC14.7]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	MEC14.7
<b>Applications:</b>	FC
<b>Recommended Dilution:</b>	Flow Cytometry: 1/5 - 1/10; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl; The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.
<b>Reactivity:</b>	Mouse
<b>Host:</b>	Rat
<b>Isotype:</b>	IgG2a
<b>Clonality:</b>	Monoclonal
<b>Specificity:</b>	This antibody recognises the CD34 cell surface antigen. This antibody recognises a neuraminidase sensitive epitope. As in the human system, CD34 antibodies in the mouse demonstrate slightly different staining patterns depending on their fine specificity. Clone MEC14.7 appears to recognise a subset of the stem cell population recognised by clone RAM34, and it is thought that this is due to differences in the epitope recognised by the two antibodies.
<b>Formulation:</b>	PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity chromatography on Protein G
<b>Conjugation:</b>	FITC
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	CD34 antigen



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**Database Link:** [Entrez Gene 12490 Mouse Q64314](#)

**Background:** CD34 is expressed by endothelial cells and by haematopoietic stem cells.

**Synonyms:** Hematopoietic progenitor cell marker