

Technical Data Sheet

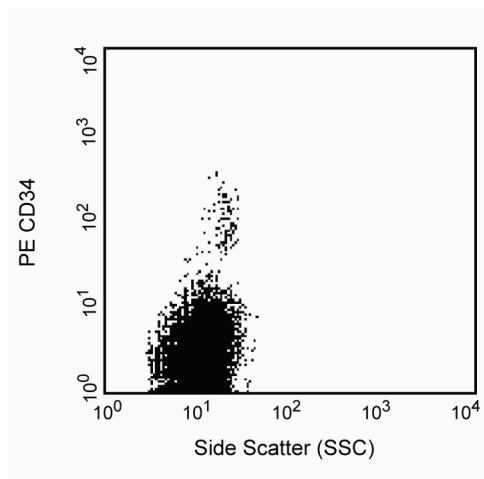
PE Mouse Anti-Human CD34

Product Information

Material Number:	550619
Alternate Name:	gp 105-120
Size:	50 tests
Vol. per Test:	20 µl
Clone:	563
Isotype:	Mouse IgG1, κ
Reactivity:	Human
	QC Testing: Cynomolgus or Rhesus
Workshop:	V MA030
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Clone 563 reacts with the human form of the 105-120 kDa heavily O-glycosylated and N-glycosylated transmembrane glycoprotein, CD34, expressed on stem/progenitor hematopoietic cells, endothelial cells and some tissue. Clone 563 also cross reacts with a subset of peripheral blood mononuclear cells of both rhesus and cynomolgus macaque monkeys, but not baboon. The distribution of stem-like cells is similar to that observed with peripheral blood mononuclear cells from normal human donors.



Profile of CD34b Ab reactivity on peripheral blood (CD14-negative) stem cells from rhesus macaque (Macaca mulatta) analyzed by flow cytometry

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed. Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
556650	PE Mouse IgG1, κ Isotype Control	50 tests	MOPC-21

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Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 X 10⁶ cells in a 100- μ l experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/pharmingen/colors.
5. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

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