

PE anti-mouse CD34

Catalog # / Size: 1243045 / 50 µg
1243050 / 200 µg

Clone: HM34

Isotype: Hamster IgG

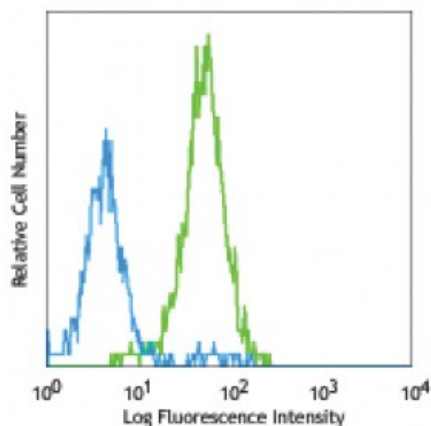
Immunogen: Mouse CD34 transfected BHK cells

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.2



Fibroblast NIH/3T3 cells stained with HM34 PE

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: The HM34 antibody does not stain bone marrow cells like some other mouse CD34 antibodies, probably because the antibody recognizes a different epitope from other mAbs.

Application References: 1. Schuettpelz LG, *et al.* 2012. *Blood*. 120:2981. [PubMed](#).

Description: CD34 is a highly glycosylated hematopoietic progenitor antigen. Two isoforms of CD34 have been reported. CD34 is expressed on hematopoietic progenitors, as well as endothelial cells, brain and testis. CD34 is thought to function as an adhesion molecule for attachment of stem cells to extracellular matrix or stromal cells.

Antigen References: 1. Garlanda C, *et al.* 1997. *Eur J Cell Biol* 73:368
2. Brown J, *et al.* 1991. *Int Immunol* 3:175