

**APC/Fire™ 750 anti-mouse CD34**

**Catalog # / Size:** 1243065 / 25 µg  
1243070 / 100 µg

**Clone:** HM34

**Isotype:** Hamster IgG

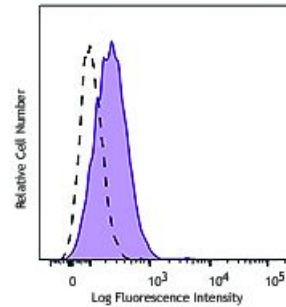
**Immunogen:** Mouse CD34 transfected BHK cells

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.

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

**Concentration:** 0.2 mg/ml



Mouse fibroblast NIH/3T3 cells were stained with CD34 (Clone HM34) APC/Fire™ 750 (filled histogram) or Armenian hamster IgG APC/Fire™ 750 isotype control (open histogram).

**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 1 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

**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.

**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