

# Product Data Sheet

## Purified anti-mouse CD34

**Catalog # / Size:** 128601 / 50 µg

**Clone:** HM34

**Isotype:** Armenian Hamster IgG

**Immunogen:** Mouse CD34 transfected BHK cells

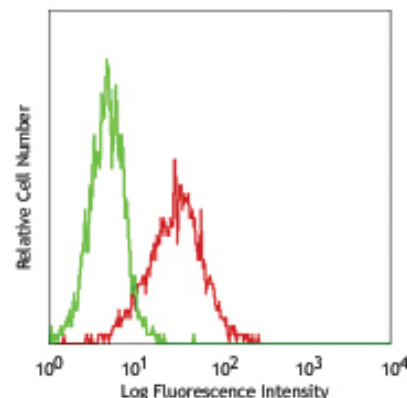
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography.

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

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C.



NIH/3T3 cell line stained with purified HM34, followed by biotinylated anti-Armenian hamster IgG and Sav-PE

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is  $\leq 1.0$  µg per million cells in 100 µl 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.

**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

### Related Products:

**Product**  
Purified Armenian Hamster IgG Isotype Ctrl  
Cell Staining Buffer  
RBC Lysis Buffer (10X)

**Clone**  
HTK888

### Application

FC, ICC, ICFC, IF, IP, WB  
FC, ICC, ICFC  
FC, ICFC



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