

Datasheet

Cd34 monoclonal antibody, clone MEC 14.7

Catalog Number: MAB7100

Regulatory Status: For research use only (RUO)

Product Description: Rat monoclonal antibody raised against Cd34.

Clone Name: MEC 14.7

Immunogen: Full length mouse Cd34.

Host: Rat

Reactivity: Mouse

Applications: Flow Cyt, ICC, IF, IHC-Fr, IHC-P, IP, WB
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: The reacts with Mouse CD34, a protein present on endothelial cells and hematopoietic progenitor cells. The recognizes a neuraminidase sensitive epitope on endothelium in vivo, particularly on small vessels and neofomed capillaries.

Form: Liquid

Purification: Protein G purification

Isotype: IgG2a

Recommend Usage: Western Blot (1:250)
Flow Cytometry (1 ug per million cells)
Immunocytochemistry/Immunofluorescence
(1:100-1:1000)
Immunohistochemistry (1:250)
Immunoprecipitation (1:10-1:500)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.02% sodium azide)

Storage Instruction: Store at 4°C for short term. For

long term storage store at -20°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 12490

Gene Symbol: Cd34

Gene Alias: AU040960

References:

1. Enrichment for living murine keratinocytes from the hair follicle bulge with the cell surface marker CD34. Trempus CS, Morris RJ, Bortner CD, Cotsarelis G, Faircloth RS, Reece JM, Tennant RW. J Invest Dermatol. 2003 Apr;120(4):501-11.
2. Characterization of MEC 14.7, a new monoclonal antibody recognizing mouse CD34: a useful reagent for identifying and characterizing blood vessels and hematopoietic precursors. Garlanda C, Berthier R, Garin J, Stoppacciaro A, Ruco L, Vittet D, Gulino D, Matteucci C, Mantovani A, Vecchi A, Dejana E. Eur J Cell Biol. 1997 Aug;73(4):368-77.