# Rat anti-Mouse CD34 Monoclonal Antibody | anti-CD34 antibody

Anti-Mouse CD34, FITC (Clone MEC14.7) (rat IgG2a)

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA74195** | **Rat** | **Mouse** | **Immunoprecipitation, Western Blot, ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry** |

## PRODUCT SYNONYMS

CD34; Monoclonal Antibody; Anti-Mouse CD34; FITC (Clone MEC14.7) (rat IgG2a); Anti-Mouse CD34 Monoclonal Antibody; anti-CD34 antibody

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Rat |
| **Reactivity** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | Rat IgG2a |
| **Clone Number** | MEC 14.7 |
| **Specificity** | CD34 (mucosialin; sialomucin) (Mouse CD34) |
| **Form/Format** | FITC |
| **Concentration** | 0.1 mg/ml (varies by lot) |
| **Sequence Length** | 328 |
| **Applicable Applications for anti-CD34 antibody** | IP (Immunoprecipitation), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry) |
| **Presentation** | Biotin/FITC/PE conjugated IgG buffered in PBS, 0.02% NaN3 and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. |
| **Preparation and Storage** | For all formats, store at 4 degree C. DO NOT FREEZE PE conjugates. For long term storage (Ascites, Purified, Biotin, FITC), aliquot and freeze unused portion at -20 degree C in volumes appropriate for single usage. Avoid freeze/thaw cycles. |

## IMAGES

**Application Data**

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-CD34 antibody** | progenitor cells. The antibody recognizes a neuraminidase sensitive epitope on endothelium in vivo, particularly on small vessels and neoformed capillaries and developing vascular structures in embryonal structures. The antibody reacts with hematopoietic progenitors particularly of myelomonocytic colony forming cells. It is a useful reagent for identification and characterization of capillary endothelial cells. Furthermore the antibody can be used for isolation and characterization of hematopoietic progenitor cells. This clone is suitable for use in ELISA, immunofluorescence, immunohistochemistry on frozen4 and paraffin sections2,3, Western Blot, immunoprecipitation, flow cytometry and cell separation |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 264769 |
| **NCBI GeneID** | 947 |
| **UniProt Accession #** | P28906; Q15970; Q15971; Q5JTA3; Q5JTA4; Q9UJB1; A8K664 |
| **Molecular Weight** | 40,716 Da |
| **NCBI Official Full Name** | CD34 |
| **NCBI Official Synonym Full Names** | CD34 molecule |
| **NCBI Official Symbol** | CD34 |
| **NCBI Protein Information** | hematopoietic progenitor cell antigen CD34; CD34 antigen |
| **UniProt Protein Name** | Hematopoietic progenitor cell antigen CD34 |
| **UniProt Gene Name** | **CD34** |
| **UniProt Entry Name** | CD34_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/cd34-antibody-clone-mec-14-7-immunoprecipitation-western-blot-flow-cytometry-immunohistochemistry-elisa/74195