

# CD34 Antibody (monoclonal) (M01)

40716

Mouse monoclonal antibody raised against a partial recombinant CD34. Catalog # AT1434a

### **Product Information**

**Application** WB, E **Primary Accession** P28906 **Other Accession** NM 001773 Reactivity Human Host mouse Clonality monoclonal Isotype IgG1 Kappa **Clone Names** 5F3

#### **Additional Information**

**Calculated MW** 

Gene ID 947

Other Names Hematopoietic progenitor cell antigen CD34, CD34, CD34

Target/Specificity CD34 (NP\_001764, 32 a.a. ~ 141 a.a) partial recombinant protein with GST tag.

MW of the GST tag alone is 26 KDa.

**Dilution** WB~~1:500~1000 E~~N/A

**Format** Clear, colorless solution in phosphate buffered saline, pH 7.2.

**Storage** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions** CD34 Antibody (monoclonal) (M01) is for research use only and not for use in

diagnostic or therapeutic procedures.

## **Background**

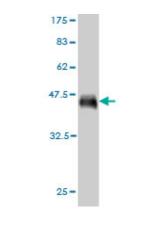
CD34 is a monomeric cell surface antigen with a molecular mass of approximately 110 kD that is selectively expressed on human hematopoietic progenitor cells.

### References

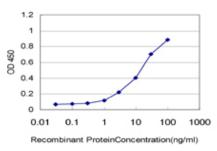
Genome-wide association analysis identifies multiple loci related to resting heart rate. Eijgelsheim M, et al. Hum Mol Genet, 2010 Oct 1. PMID 20639392.The effect of CXCL12 processing on CD34+ cell migration in myeloproliferative neoplasms. Cho SY, et al. Cancer Res, 2010 Apr 15. PMID 20388788.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Junctional adhesion molecule A expressed on human CD34+ cells

promotes adhesion on vascular wall and differentiation into endothelial progenitor cells. Stellos K, et al. Arterioscler Thromb Vasc Biol, 2010 Jun. PMID 20378847. Human gallbladder carcinoma: Role of neurotrophins, MIB-1, CD34 and CA15-3. Artico M, et al. Eur J Histochem, 2010 Mar 11. PMID 20353905.

### **Images**



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



Detection limit for recombinant GST tagged CD34 is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.