

CD34 Monoclonal Antibody

catalog number: AN200011P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human
Immunogen	Full length human CD34 expression plasmid
Host	Mouse
Isotype	Mouse IgG1
Clone	A855
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

Recommended Dilution

WB	1:500-1:2000
IP	1-5 µL/mg of lysate

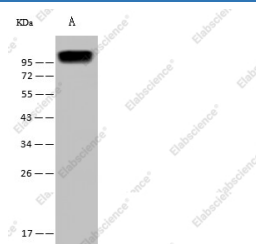
Data



Immunoprecipitation analysis using 4 µL anti-pCMV3-CD34-TT-WPRE mouse Monoclonal Antibody and 60 µg of Immunomagnetic beads Protein A/G. Western blot was performed from the immunoprecipitate using pCMV3-CD34-TT-WPRE mouse Monoclonal Antibody at a dilution of 1:100. Lane A: 0.5 mg TF-1 Whole Cell Lysate

Observed-MW: 95 kDa

Calculated-MW: 41 kDa



Western Blot with CD34 Monoclonal Antibody at dilution of 1:500. Lane A: TF-1 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW: 95 kDa

Calculated-MW: 41 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

CD34, also known as gp105-120, is a type I monomeric sialomucin-like glycoposphoprotein with an approximate molecular weight of 105-120 kD. Selectively expressed on the majority of hematopoietic stem/progenitor cells, bone marrow stromal cells, capillary endothelial cells, embryonic fibroblasts, and some nervous tissue, CD34 is a commonly used marker to identify human hematopoietic stem/progenitor cells. According to the differential sensitivity to enzymatic cleavage, four groups of epitopes of CD34 have been described. CD34 mediates cell adhesion and lymphocytes homing through binding to L-selectin and E-selectin ligands.

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Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.3