

Anti-CD34 Antibody (1K692)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1K692
Purification:	Protein A

Applications

Verified Activity:	<p>1. Anti-CD34 mouse monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none">-Lane A: TF-1 Whole Cell lysate.-Lysates/proteins at 30 µg per lane.-Secondary-Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution.-Developed using the ECL technique.-Performed under reducing conditions.-Predicted band size:41 kDa. <p>2. pCMV3-CD34-TT-WPRE was immunoprecipitated using:</p> <ul style="list-style-type: none">-Lane A:0.5 mg TF-1 Whole Cell Lysate.-4 µL anti-pCMV3-CD34-TT-WPRE mouse monoclonal antibody and 60 µg of Immunomagnetic beads Protein A/G.-Primary antibody:-Anti-pCMV3-CD34-TT-WPRE mouse monoclonal antibody, at 1:100 dilution.-Secondary antibody:-Rabbit Anti-Mouse IgG F(ab)2/HRP at 1/10000 dilution.-Developed using the ECL technique.-Performed under reducing conditions.-Predicted band size: 41 kDa.-Observed band size:95 kDa
Application:	IP,WB
Recommended	WB: 1:500-1:2000; IP: 1-5 µL/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Full length human CD34 expression plasmid
Antigen Species: Human
Synonyms: AU040960;CD34 molecule
Biology Area: Cardiac Stem Cell Markers, Hemangioblast Markers

Research Background

Cluster of Differentiation 34 (CD34) is a member of a family of single-pass transmembrane sialomucin proteins, and may function as a cell-cell adhesion factor. CD34 protein is selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues. It has been widely used as a stem and progenitor cell marker, and clinical CD34+ stem cell transplantation (CD34+SCT) has been performed for tumor purging. CD34 monoclonal antibodies are widely used to identify and isolate hemopoietic progenitors and to classify acute and chronic leukemias.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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