

# Anti-CD34 Recombinant Rabbit Monoclonal Antibody



**Catalog #: 1899**

## Aliases

CD34; CD34 Molecule; Hematopoietic Progenitor Cell Antigen CD34; CD34 Antigen; CD34 Sialomucin

## Background

Gene Name: CD34

NCBI Gene Entry: [947](#)

UniProt Entry: [P28906](#)

## Application Information

Molecular Weight: Predicted, 41 kDa; observed, 80 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB5025

Species Reactivity: Mouse

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human CD34

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

**Note:** This product is for research use only.

## Validation Data

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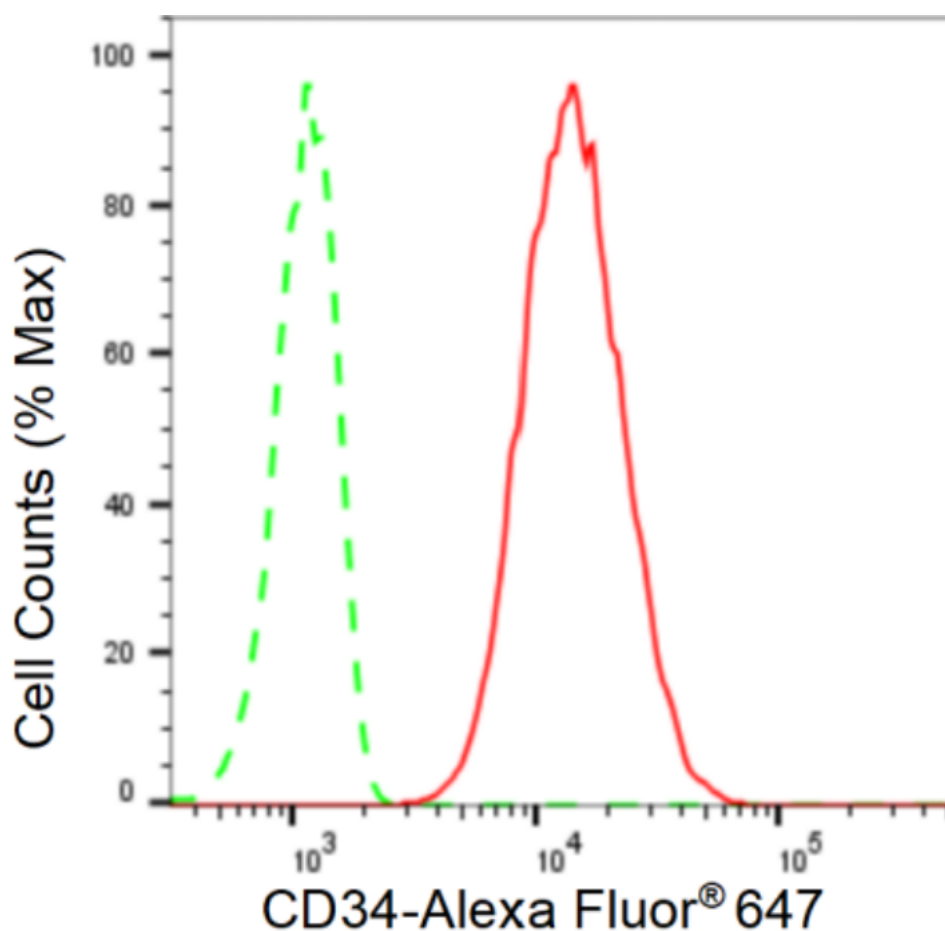
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### ORDERS

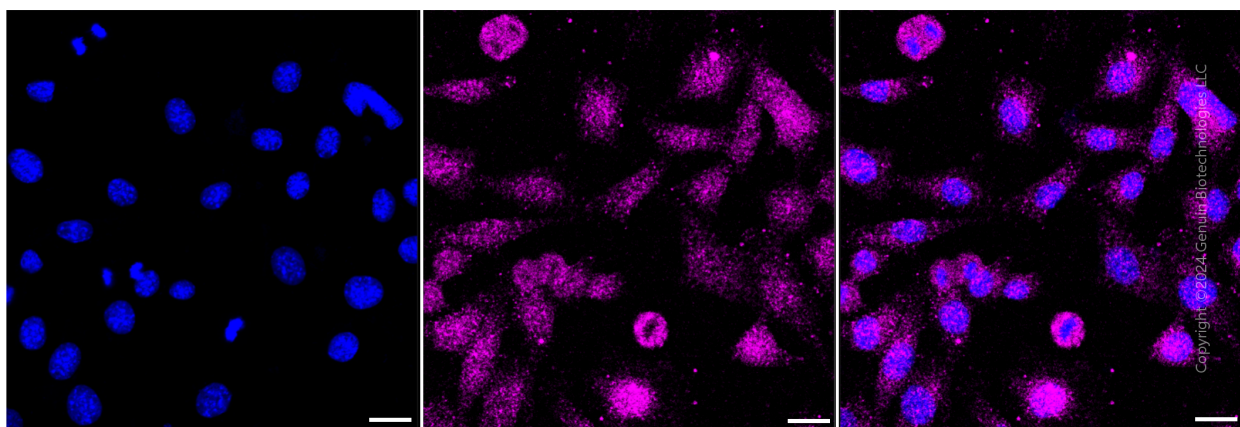
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Flow cytometric analysis of CD34 expression in C2C12 cells using CD34 antibody (Cat#1899, 1:2,000). Green, isotype control; red, CD34



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Immunocytochemical staining of C2C12 cells with anti-CD34 antibody (Cat#1899, 1:1,000). Nuclei were stained blue with DAPI; CD34 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar: 20 µm.

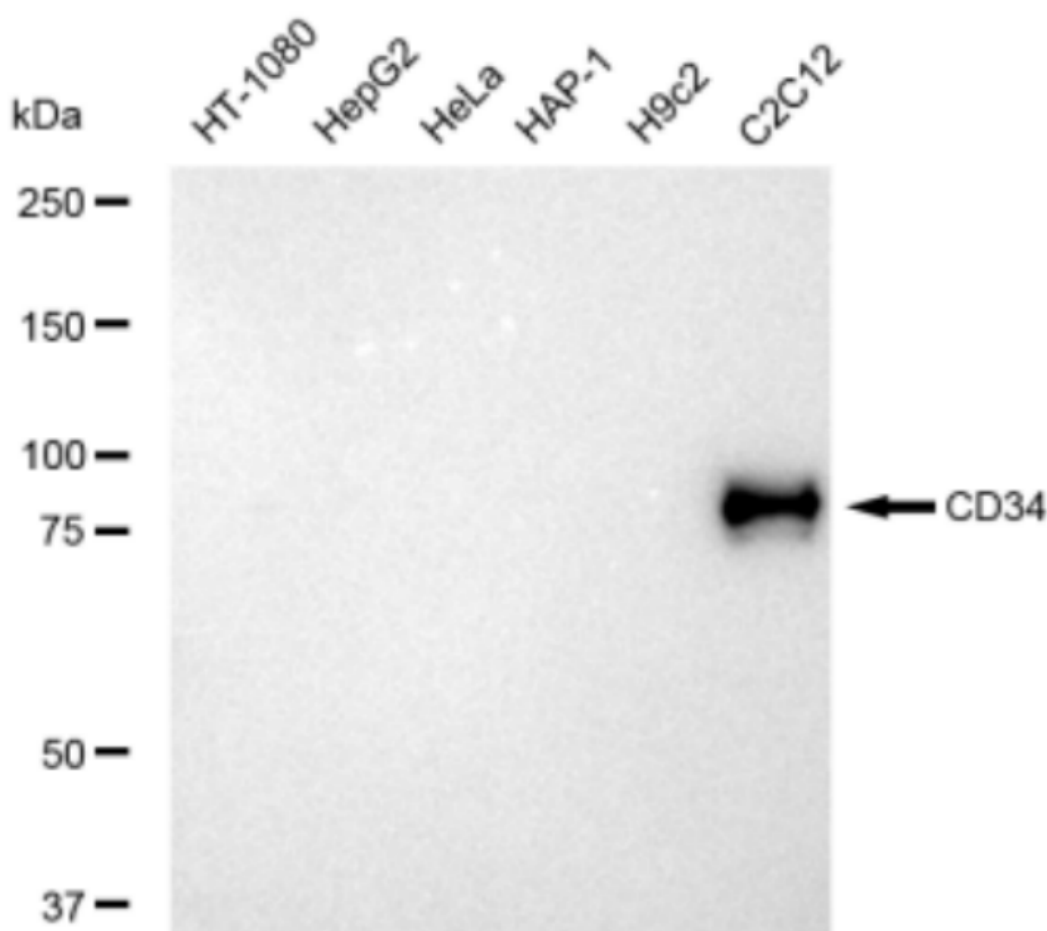
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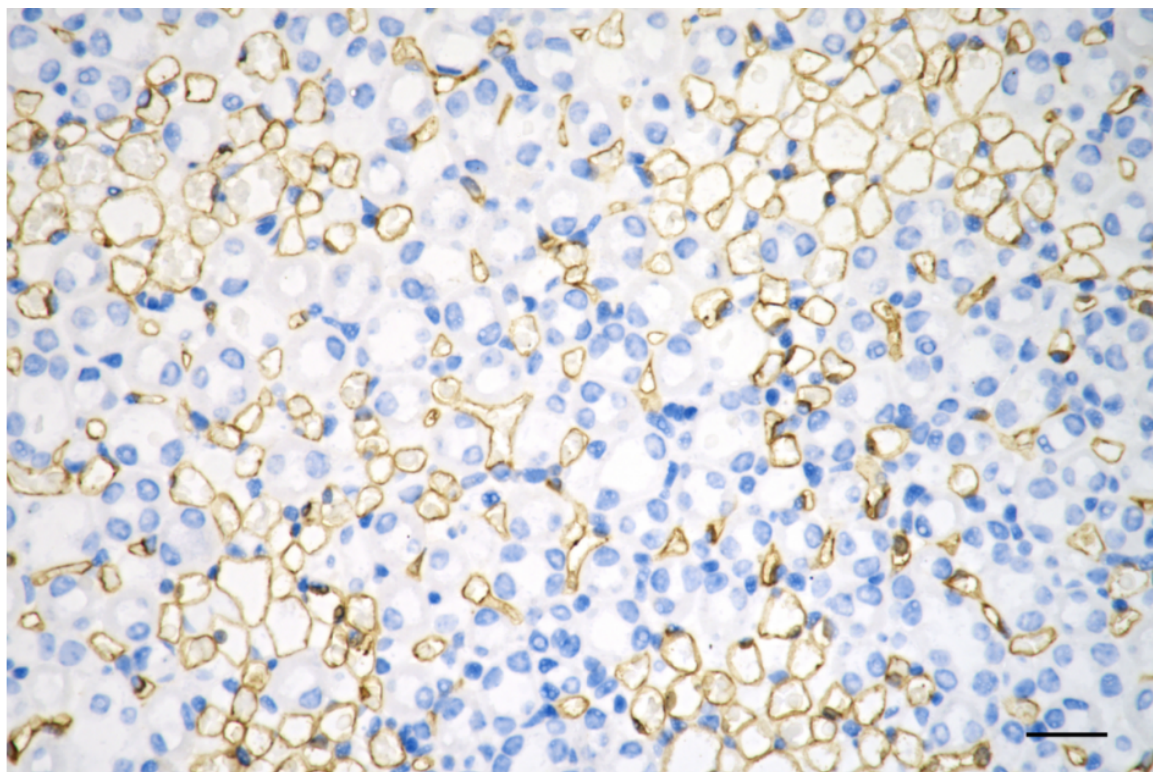
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Western blotting analysis using anti-CD34 antibody (Cat#1899). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD34 antibody (Cat#1899, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



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Immunohistochemistry was performed on paraffin-embedded mouse kidney using anti-CD34 antibody (Cat#1899, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25  $\mu$ m.