

Datasheet for ABIN6941172  
**anti-CD34 antibody**



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4 Images

## Overview

Quantity:	100 µg
Target:	CD34
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD34 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant full-length human HPCA1 protein
Clone:	HPCA1-1171
Isotype:	IgG1 kappa
Specificity:	<p>This antibody recognizes a carbohydrate epitope on a single chain, transmembrane, heavily glycosylated protein of 90-120 kDa, which is identified as CD34 (VI international workshop on human differentiation antigens). Its expression is a hallmark for identifying pluripotent hematopoietic stem or progenitor cells. Its expression is gradually lost as lineage committed progenitors differentiate. CD34 is a marker of choice for staining blasts in acute myeloid leukemia. In addition, it is expressed by soft tissue tumors, such as solitary fibrous tumor and gastrointestinal stromal tumor. CD34 expression is also found in vascular endothelium. Additionally, proliferating endothelial cells overexpress this molecule than the non-proliferating endothelial cells. Anti-CD34 labels 85 % of angiosarcoma and Kaposi's sarcoma, but shows low</p>

## Product Details

	specificity.
Purification:	Purified by Protein A/G

## Target Details

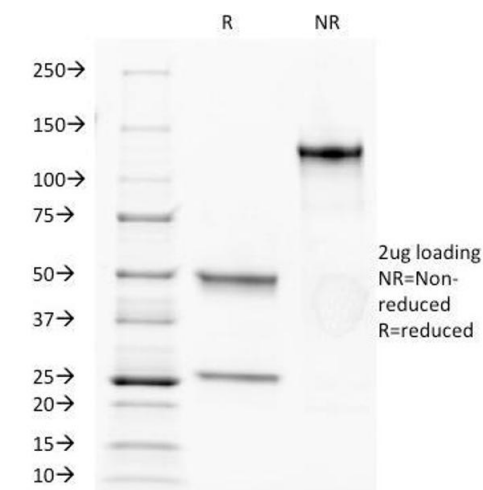
Target:	CD34
Alternative Name:	CD34 ( <a href="#">CD34 Products</a> )
Molecular Weight:	90-110kDa
Gene ID:	947
UniProt:	<a href="#">P28906</a>

## Application Details

Application Notes:	Positive Control: KG-1 cells. Human tonsil or angiosarcoma. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Western Blot (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (2-4 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

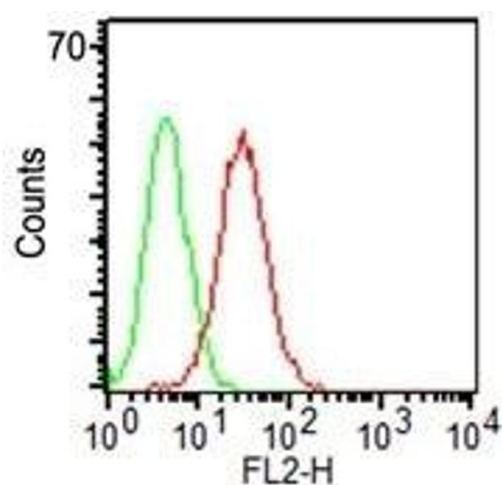
## Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



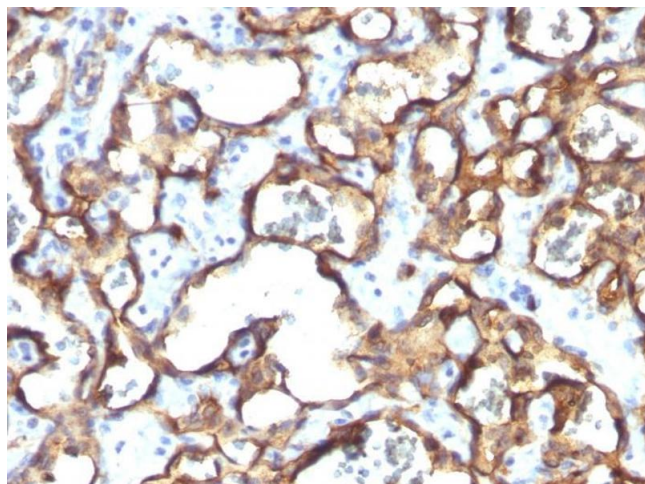
#### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified CD34 MAb (HPCA1/1171). Confirmation of Integrity and Purity of Antibody.



#### Flow Cytometry

**Image 2.** Flow Cytometry of KG-1 cells using CD34 Monoclonal Antibody (HPCA1/1171) (red) & isotype control (green).



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Angiosarcoma stained with CD34 Monoclonal Antibody (HPCA1/1171)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6941172.