

Datasheet for ABIN6941168

## anti-CD34 antibody



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### 4 Images

#### Overview

Quantity:	100 µg
Target:	CD34
Reactivity:	Human, Cynomolgus, Rhesus Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD34 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunostaining (IS), Staining Methods (StM)

#### Product Details

Immunogen:	Detergent solubilized vesicular suspension prepared from human term placenta
Clone:	QBEnd-10
Isotype:	IgG1 kappa
Specificity:	This MAb recognizes a single chain, transmembrane, heavily glycosylated protein of 90-120 kDa, which is identified as CD34. On the basis of differential sensitivity to degradation by specific enzymes, epitopes of monoclonal antibodies to CD34 are classified into three main categories, class I, class II and class III. It is a class II antibody whose epitope is resistant to neuraminidase but sensitive to glycoprotease and chymopapain. CD34 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, CD34 is expressed by soft tissue tumors, such as solitary fibrous tumor and gastrointestinal stromal tumor. Its expression is also found in

## Product Details

	vascular endothelium. It appears that proliferating endothelial cells express this molecule more than the non-proliferating endothelial cells. Anti-CD34 labels 85 % of angiosarcoma and Kaposi's sarcoma, but with a lower specificity.
No Cross-Reactivity:	Cow (Bovine), Dog (Canine), Rat (Rattus), Sheep (Ovine)
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: Jurkat or KG-1 cells. Human tonsil or angiosarcoma.  Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.25-0.5 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, 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

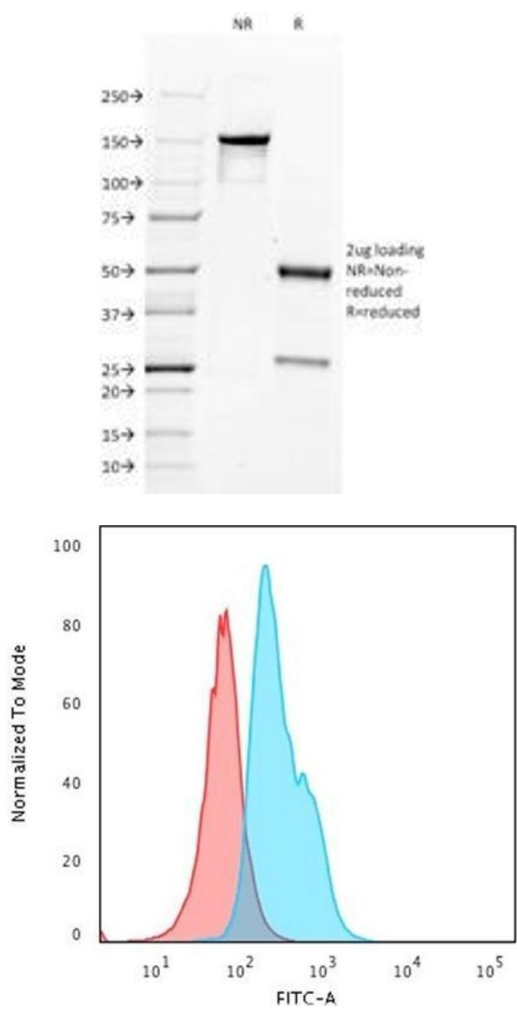
## Handling

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
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody is stable for 24 months. Non-hazardous. No

MSDS required.

Expiry Date: 24 months

Images

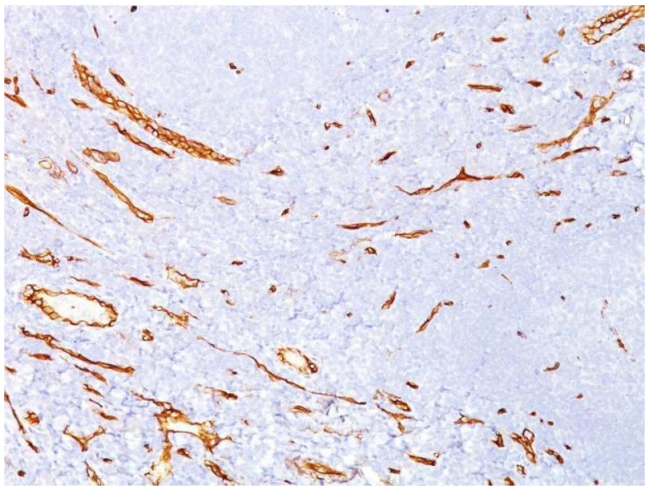


SDS-PAGE

**Image 1.** SDS-PAGE Analysis CD34 Mouse Monoclonal Antibody (QBEnd/10). Confirmation of Purity and Integrity of Antibody

Flow Cytometry

**Image 2.** Flow Cytometric Analysis of human Jurkat cells using CD34 Mouse Monoclonal Antibody (QBEnd/10) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human tonsil stained with CD34 Mouse Monoclonal Antibody (QBEnd/10).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6941168.