

**CD34 Antibody (clone QBEnd/10, Azide-free)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS13933**

### Specification

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#### CD34 Antibody (clone QBEnd/10, Azide-free) - Product Information

Application	IHC
Primary Accession	<a href="#">P28906</a>
Reactivity	Human, Monkey
Host	Mouse
Clonality	Monoclonal
Calculated MW	41kDa KDa

#### CD34 Antibody (clone QBEnd/10, Azide-free) - Additional Information

Gene ID 947

#### Other Names

Hematopoietic progenitor cell antigen CD34, CD34, CD34

#### Target/Specificity

The antibody QBEnd-10 reacts with Class II epitope on CD34 (Mucosialin), a 110-115 kD monomeric transmembrane phosphoglycoprotein expressed on hematopoietic progenitors cells and on the most pluripotential stem cells; it is gradually lost on progenit ...

#### Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

#### Precautions

CD34 Antibody (clone QBEnd/10, Azide-free) is for research use only and not for use in diagnostic or therapeutic procedures.

#### CD34 Antibody (clone QBEnd/10, Azide-free) - Protein Information

Name CD34

#### Function

Possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins.

#### Cellular Location

Membrane; Single-pass type I membrane protein.

#### Tissue Location

Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a

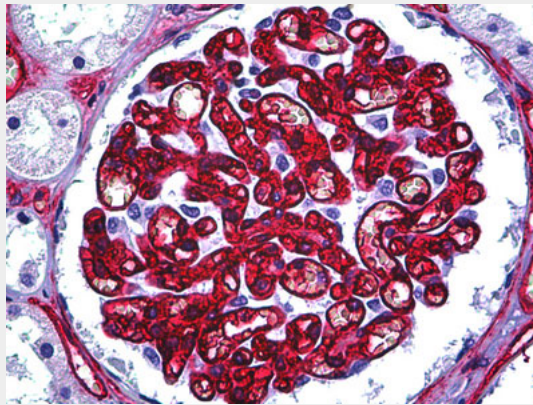
variety of tissues

### **CD34 Antibody (clone QBEnd/10, Azide-free) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **CD34 Antibody (clone QBEnd/10, Azide-free) - Images**



Anti-CD34 antibody IHC of human kidney, glomerulus.

### **CD34 Antibody (clone QBEnd/10, Azide-free) - Background**

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### **CD34 Antibody (clone QBEnd/10, Azide-free) - References**

- Simmons D.L.,et al.J. Immunol. 148:267-271(1992).  
Satterthwaite A.B.,et al.Genomics 12:788-794(1992).  
Nakamura Y.,et al.Exp. Hematol. 21:236-242(1993).  
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Ota T.,et al.Nat. Genet. 36:40-45(2004).