

# CD34 Monoclonal Antibody (QBEND/10)

## Product Details

Size	100 µg
Species Reactivity	Human, Non-human primate
Published Species	Rabbit, Rat, Bovine, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	QBEND/10
Conjugate	Unconjugated
Immunogen	Human endothelial vesicles
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	no preservative
Storage conditions	4° C, do not freeze
RRID	AB_11156010

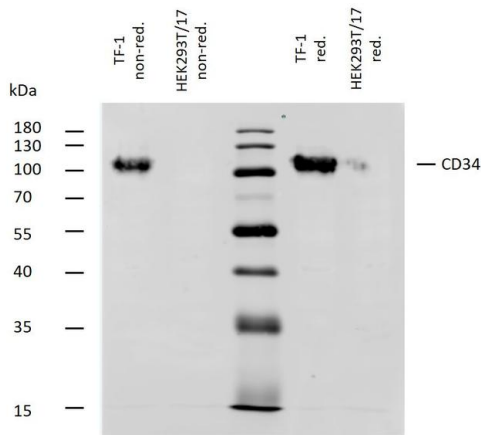
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	-
Immunohistochemistry (IHC)	-	154 Publications
Immunohistochemistry (Paraffin) (IHC (P))	2-8 µg/mL	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	-	13 Publications
Flow Cytometry (Flow)	5 µg/mL	6 Publications
Immunoprecipitation (IP)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

This antibody will not cross-react with rat, bovine, canine or sheep.

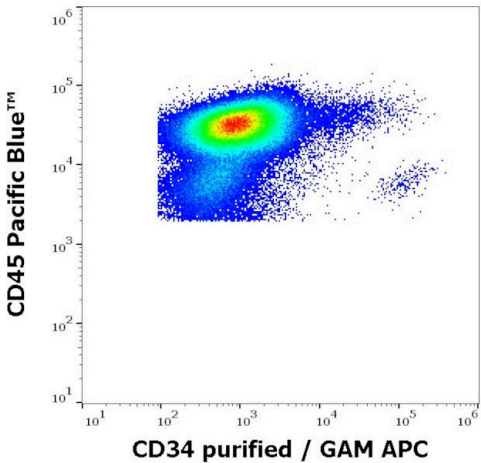
Functional Application: Induction.

Product Images For CD34 Monoclonal Antibody (QBEND/10)



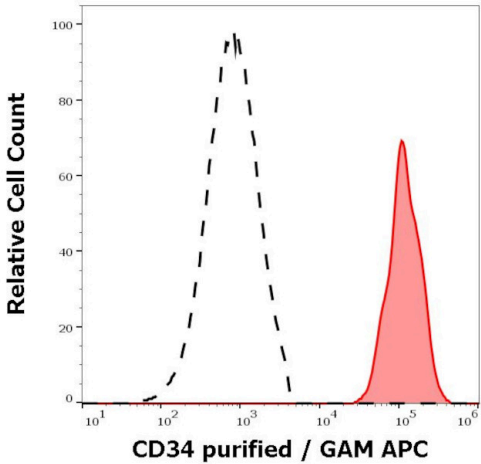
CD34 Antibody (MA1-10202) in WB

Western blotting analysis of human CD34 using mouse monoclonal antibody QBEnd-10 on lysates of TF-1 cell line and HEK293T/17 cell line (CD34 non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2µg/mL of mouse anti-CD34 Monoclonal antibody (QBEnd-10) (Product # MA1-10202) followed by IRDye800-conjugated anti-mouse IgG1 secondary antibody. A specific band was detected for CD34 protein at approximately 110kDa.



CD34 Antibody (MA1-10202) in Flow

Flow cytometry multicolor surface staining of human peripheral blood stained using anti-human CD34 (QBEnd-10) purified Monoclonal antibody (Product # MA1-10202) (concentration in sample 0.6 µg/mL, GAM APC, red-filled) and anti-human CD45 (MEM-28) Pacific Blue™ using a dilution of 10 µL reagent/100 µL of peripheral whole blood.



CD34 Antibody (MA1-10202) in Flow

Separation of human CD45dim CD34 positive stem cells (red-filled) from human lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD34 (QBEnd-10) purified Monoclonal antibody (Product # MA1-10202) (concentration in sample 0.6 µg/mL, GAM APC).

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Immunohistochemistry (154)

<p>BMC neuroscience</p> <p><b>Circ VRK1/microRNA-17/PTEN axis modulates the angiogenesis of human brain microvascular endothelial cells to affect injury induced by oxygen-glucose deprivation/reperfusion.</b></p> <p>"Published figure using CD34 monoclonal antibody (Product # MA1-10202) in Immunohistochemistry"</p> <p>Authors: Yang L,Du H,Zhang X,Gao B,Zhang D,Qiao Z,Su X,Bao T,Han S</p>	<p>Year 2023</p> <p>Species Rat</p> <p>Dilution 1:500</p>
<p>Regenerative therapy</p> <p><b>Rapid and chronological expression of angiogenetic genes is a major mechanism involved in cell sheet transplantation in a rat gastric ulcer model.</b></p> <p>"Published figure using CD34 monoclonal antibody (Product # MA1-10202) in Immunohistochemistry"</p> <p>Authors: Yamaguchi S,Higashi M,Kanetaka K,Maruya Y,Kobayashi S,Hashiguchi K,Hidaka M,Nakao K,Eguchi S</p>	<p>Year 2022</p> <p>Species Rat</p> <p>Dilution 1:500</p>

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Immunohistochemistry (Paraffin) (4)

<p>Acta histochemica</p> <p><b>The dual anti-inflammatory and antioxidant activities of natural honey promote cell proliferation and neural regeneration in a rat model of colitis.</b></p> <p>"MA110202 was used in immunohistochemistry - paraffin section to test the effect of honey in a rat model of ulcerative colitis"</p> <p>Authors: Nooh HZ,Nour-Eldien NM</p>	<p>Year 2016</p> <p>Species Rat</p> <p>Dilution 1:1000</p>
<p>Pathology, research and practice</p> <p><b>Investigation of the origin of stromal and endothelial cells at the desmoplastic interface in xenograft tumor in mice.</b></p> <p>"MA1-10202 was used in immunohistochemistry - paraffin section to determine the desmoplastic interface in xenograft tumor in mice comprised of stromal and endothelial cells"</p> <p>Authors: Jung M,Ryu YJ,Kang G</p>	<p>Year 2015</p> <p>Dilution 1:100</p>

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More applications with references on thermofisher.com

- ICC/IF (13)
- Flow (6)
- Misc (1)

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