


## Product datasheet

# HRP Anti-CD34 antibody [EP373Y] ab195017

Recombinant **RabMAb**

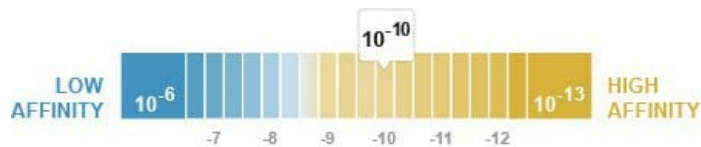
[2 Images](#)

### Overview

<b>Product name</b>	HRP Anti-CD34 antibody [EP373Y]
<b>Description</b>	HRP Rabbit monoclonal [EP373Y] to CD34
<b>Host species</b>	Rabbit
<b>Conjugation</b>	HRP
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P <b>Unsuitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: TF-1 whole cell lysate. IHC: normal human umbilical cord tissue.
<b>General notes</b>	Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
<b>Dissociation constant (K<sub>D</sub>)</b>	K <sub>D</sub> = 1.15 x 10 <sup>-10</sup> M



[Learn more about K<sub>D</sub>](#)

<b>Storage buffer</b>	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal

Clone number EP373Y

Isotype IgG

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab195017 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. <b>ab199507</b> - Rabbit monoclonal IgG (HRP), is suitable for use as an isotype control with this antibody.

**Application notes** Is unsuitable for WB.

## Target

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**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.

**Tissue specificity** Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues.

**Sequence similarities** Belongs to the CD34 family.

**Developmental stage** On early hematopoietic progenitor cells.

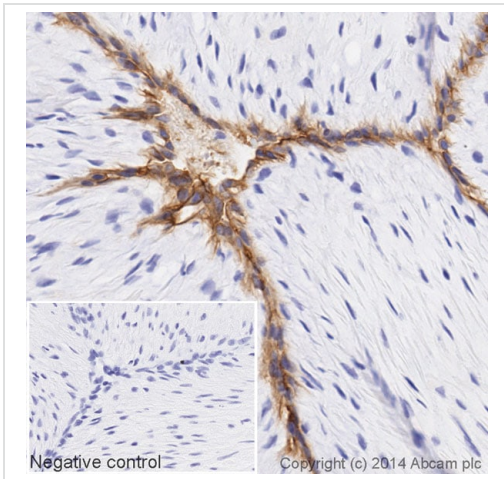
**Post-translational modifications** Highly glycosylated.  
Phosphorylated on serine residues by PKC.

**Cellular localization** Membrane.

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## Images

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-CD34 antibody [EP373Y] (ab195017)

IHC image of CD34 staining in a section of formalin-fixed paraffin-embedded normal human umbilical cord tissue\*, performed on a Leica BOND. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab195017 at 1/100 dilution, for 15 mins at room temperature. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

\*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre

**Why choose a recombinant antibody?**

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> Animal-free production

HRP Anti-CD34 antibody [EP373Y] (ab195017)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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