

PE Anti-CD34 antibody [MEC 14.7] ab23830

★★★★★ 1 Abreviews 20 References

Overview

Product name	PE Anti-CD34 antibody [MEC 14.7]
Description	PE Rat monoclonal [MEC 14.7] to CD34
Host species	Rat
Conjugation	PE. Ex: 488nm, Em: 575nm
Specificity	Recognises the murine CD34 cell surface glycoprotein. Murine CD34 is expressed by haematopoietic progenitor cells in the bone marrow, and also by endothelial cells.
Tested applications	Suitable for: IHC-P, IP, Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	Cells transfected with recombinant full length protein (Mouse).
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: PBS, 1% BSA</p>
Purity	Protein G purified
Clonality	Monoclonal
Clone number	MEC 14.7
Isotype	IgG2a

Applications

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab23830 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		1/20 - 1/200.
IP		Use a concentration of 2 - 10 µg/ml.
Flow Cyt	★★★★★ (1)	1/25 - 1/50. Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl

Target

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.

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

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