

For Research Use Only

# PE-Cyanine7 Anti-Human CD34 Rabbit Recombinant Antibody

Catalog Number: PY7-98145-4



## Basic Information

Catalog Number:

PY7-98145-4

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC039146

GeneID (NCBI):

947

UNIPROT ID:

P28906

Full Name:

CD34 molecule

Calculated MW:

41 kDa

Purification Method:

Protein A purification

CloneNo.:

242069A6

Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maximum wavelengths:

450-500 nm / 778 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human blood cells,

## Background Information

CD34 is a 105- to 120-kDa glycoprophosphoprotein expressed on the majority of hematopoietic stem/progenitor cells, bone marrow stromal cells, capillary endothelial cells, embryonic fibroblasts, and some nerve tissue. CD34 is a commonly used marker for identifying human hematopoietic stem/progenitor cells and mediates cell adhesion and lymphocyte homing by binding L-selectin and E-selectin ligands. CD34 is also one of the best negative selection markers for characterizing and/or isolating human MSCs from bone marrow and other sources. Along with other positive selection markers (such as CD29, CD44, CD90, CD105 and CD166), negative selection markers (such as CD34 and CD45) are used for MSC identification.

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:

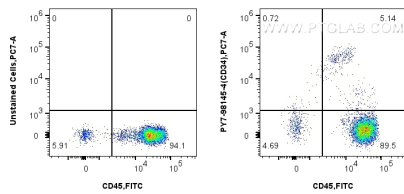
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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## Selected Validation Data



1x10<sup>6</sup> human blood cells were surface stained with FITC Plus Anti-Human CD45, and 5 ul PE-Cyanine7 Anti-Human CD34 Rabbit RecAb (PY7-98145-4, Clone: 242069A6) or unstained. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes were gated.