For Research Use Only

Anti-Mouse CD34 Rabbit Recombinant Antibody

Catalog Number:98069-1-RR

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Basic Information

Catalog Number:
98069-1-RR

Size:
100ug, 1000 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_133654

GeneID (NCBI):
12490

UNIPROT ID:
Q64314

Full Name:
CD34 antigen

Calculated MW:
41 kDa

Purification Method:
Protein A purfication

CloneNo.:
240659B11

Applications

Tested Applications:
FC

Species Specificity:
mouse

Background Information

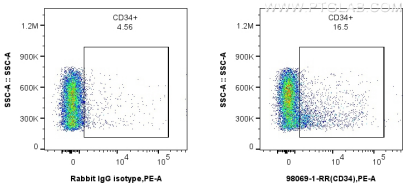
CD34 is a 105- to 120-kDa glycophosphoprotein expressed on the majority of hematopoietic stem/progenitor cells, bone marrow stromal cells, capillary endothelial cells, embryonic fibroblasts, and some nerve tissue. CD34 is a commonly used marker for identifying human hematopoietic stem/progenitor cells 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

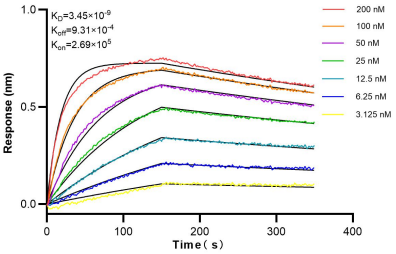
Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



1x10^6 C57BL/6 mouse bone marrow cells were surface stained with 0.25 ug Anti-Mouse CD34 Rabbit Recombinant Antibody (98069-1-RR, Clone:240659B11) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), or 0.25 ug Isotype Control . Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98069-1-RR against Mouse CD34 were performed. The affinity constant is 3.45 nM.