

For Research Use Only

FcZero-rAb™ Biotin Anti-Mouse CD31 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98258



Basic Information

Catalog Number:

Biotin-FcA98258

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0846

GenBank Accession Number:

NM_001305157.1

GeneID (NCBI):

18613

UNIPROT ID:

Q08481-1

Full Name:

platelet/endothelial cell adhesion molecule 1

Calculated MW:

81 kDa

Purification Method:

Protein A purification

CloneNo.:

242041B5

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

-

Applications

Tested Applications:

FC, ELISA

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

Background Information

CD31, also known as PECAM1 (Platelet endothelial cell adhesion molecule), is a member of the immunoglobulin gene superfamily of cell adhesion molecules. CD31 is a transmembrane glycoprotein that is highly expressed on the surface of the endothelium, making up a large portion of its intracellular junctions. It is also present on the surface of hematopoietic cells and immune cells including platelets, monocytes, neutrophils, natural killer cells, megakaryocytes and some types of T-cell (PMID: 9011572). As well as its role in cell-cell adhesion, CD31 functions as a signaling receptor, and is involved in important physiological events such as nitric oxide production, regulation of T-cell immunity and tolerance, leukocyte transendothelial migration and inflammation and angiogenesis (PMID: 21183735; 20978210; 17872453; 20634489).

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, pH7.3

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

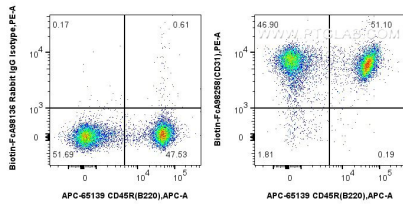
T: 4006900926

E: Proteintech-CN@ptglab.com

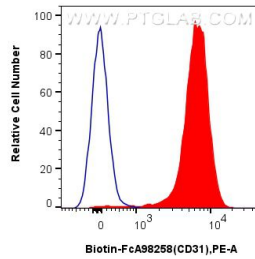
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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD31 Rabbit RecAb (Biotin-FcA98258, Clone: 242041B5) or 0.25 ug FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and PE Streptavidin (Cat.No. PF00021). Cells were co-stained with APC Anti-Mouse CD45R. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD31 Rabbit RecAb (Biotin-FcA98258, Clone: 242041B5) (red) or 0.25 ug FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and PE Streptavidin (Cat.No. PF00021). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.