

FcZero-rAb[®] CoraLite[®] Plus 647 Anti-Human Integrin Beta 1/CD29 Rabbit Recombinant Antibody

Catalog Number: CL647-FcA98188

Basic Information

Catalog Number:

CL647-FcA98188

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2093

GenBank Accession Number:

BC020057

GeneID (NCBI):

3688

ENSEMBL Gene ID:

ENSG00000150093

UNIPROT ID:

P05556

Full Name:

integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)

Calculated MW:

88 kDa

Purification Method:

Protein A purification

CloneNo.:

241685C10

Recommended Dilutions:FC: 5 µl per 10⁶ cells in a 100 µl suspension**Excitation/Emission maxima wavelengths:**

654 nm / 674 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

Background Information

Integrin beta-1 (ITGB1), also named as CD29, is a 130 kDa single chain type I glycoprotein that is expressed in a heterodimeric complex with one of six distinct α subunits, comprising the very late activation antigen (VLA) subfamily of adhesion receptors. It is one of the essential surface molecules expressed on human MSC from bone marrow and other sources. The β 1 subunit is also broadly expressed on lymphocytes and monocytes, weakly expressed on granulocytes, and not expressed on erythrocytes. These receptors are involved in a variety of cell-cell and cell-matrix interactions.

Storage

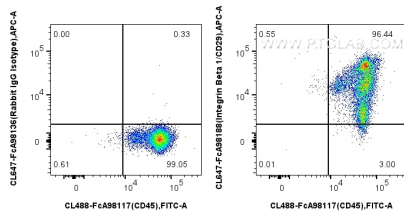
Storage:

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

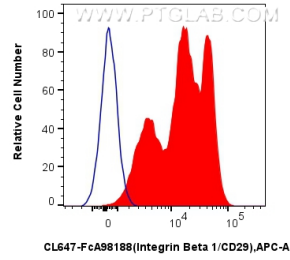
Storage Buffer:

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

Selected Validation Data



1x10⁶ human PBMCs were surface stained with FcZero-rAb® CoraLite® Plus 488 Anti-Human CD45, and 5 ul CoraLite® Plus 647 Anti-Human Integrin Beta 1/CD29 Rabbit RecAb (CL647-FcA98188, Clone: 241685C10) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human Integrin Beta 1/CD29 Rabbit RecAb (CL647-FcA98188, Clone: 241685C10) (red) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.