

For Research Use Only

FcZero-rAb™ Biotin Anti-Human CD1c (L161) Rabbit IgG Recombinant Antibody

Catalog Number: Biotin-FcA65626



Basic Information

Catalog Number:

Biotin-FcA65626

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC126465

GeneID (NCBI):

911

UNIPROT ID:

P29017

Full Name:

CD1c molecule

Purification Method:

Protein A purification

CloneNo.:

L161

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:

human

Positive Controls:

FC : human peripheral blood lymphocytes,

Background Information

CD1c molecule (CD1c, also known as R7, CD1, CD1A, and BDCA1) is a member of the CD1 family of transmembrane glycoproteins, which is synthesized in the endoplasmic reticulum and expressed on the monocytes, marginal zone B cells in lymph nodes as well as peripheral blood (PMID: 23468110). The CD1 proteins belong to the family of major histocompatibility complex (MHC) class I-like proteins that present lipid-based antigens to T cells (PMID: 15032598; 23127489). CD1c shows interaction with both $\alpha\beta$ or $\gamma\delta$ T cells and mediates T cell responses against mycobacterium tuberculosis (PMID: 10727456; 10786796).

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:

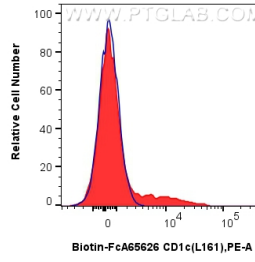
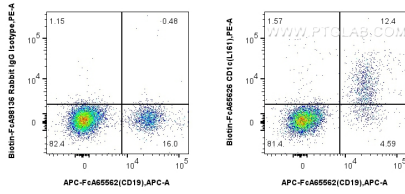
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Selected Validation Data



1x10⁶ human peripheral blood lymphocytes were surface stained with 0.25 ug Biotin Anti-Human CD1c (L161) Rabbit IgG RecAb (Biotin-FcA65626, Clone: L161) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb™ APC Anti-Human CD19 (4G7) Rabbit IgG Recombinant Antibody (APC-FcA65562, Clone: 4G7). Cells were not fixed.



1x10⁶ human peripheral blood lymphocytes were surface stained with 0.25 ug Biotin Anti-Human CD1c (L161) Rabbit IgG RecAb (Biotin-FcA65626, Clone: L161) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.