

For Research Use Only

APC Anti-Human CD1a (HI149)

Catalog Number: APC-65172



Basic Information

Catalog Number:

APC-65172

Concentration:

100 tests, 10 µl/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC031645

GeneID (NCBI):

909

UNIPROT ID:

P06126

Full Name:

CD1a molecule

Calculated MW:

327 aa, 37 kDa

Purification Method:

The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

CloneNo.:

HI149

Recommended Dilutions:

FC: 10 µl per 10⁶ cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : MOLT-4 cells,

Background Information

CD1a is an antigen-presenting protein that binds self and non-self lipid and glycolipid antigens and presents them to T-cell receptors on natural killer T-cells. During protein synthesis and maturation, CD1 family members bind endogenous lipids that are replaced by lipid or glycolipid antigens when the proteins are internalized and pass through endosomes, before trafficking back to the cell surface.

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:

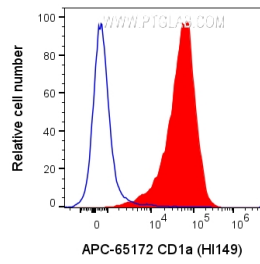
T: 4006900926

E: Proteintech-CN@ptglab.com

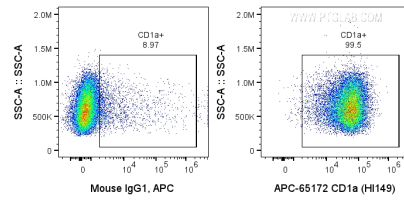
W: ptgcn.com

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Selected Validation Data



1X10⁶ MOLT-4 cells were surface stained with 10 ul APC Anti-Human CD1a (APC-65172, Clone:HI149), or Mouse IgG1 Isotype Control. Cells were not fixed.



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