

For Research Use Only

Cardinal Red™ Anti-Human CD81 (5A6)

Catalog Number: CR-65195



Basic Information

Catalog Number:

CR-65195

Concentration:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC002978

GeneID (NCBI):

975

ENSEMBL Gene ID:

ENSG00000110651

UNIPROT ID:

P60033

Full Name:

CD81 molecule

Calculated MW:

26 kDa

Purification Method:

Affinity purification

CloneNo.:

5A6

Recommended Dilutions:

FC: 5 µl per 10⁶ cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

592 nm / 611 nm

Applications

Tested Applications:

FC

Species Specificity:

Human

Positive Controls:

FC : human PBMCs,

Background Information

CD81 (also known as TAPA1 or TSPAN28) is a membrane protein of the tetraspanin superfamily, which are characterized by the presence of four conserved transmembrane regions. Many of these members are expressed on leukocytes and have been implicated in signal transduction, cell-cell interactions, and cellular activation and development. CD81 is involved in signal transduction and cell adhesion in the immune system (PMID: 9597125). CD81 has also been identified as an essential receptor for HCV (hepatitis C virus) (PMID: 21428934).

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

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

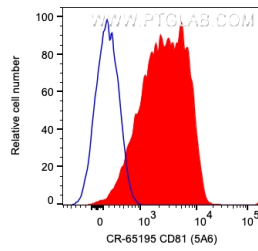
T: 4006900926

E: Proteintech-CN@ptglab.com

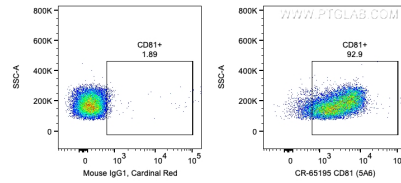
W: ptgcn.com

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Selected Validation Data



1X10⁶ human PBMCs were surface stained with 5 ul Cardinal Red™ Anti-Human CD81 (CR-65195, Clone:5A6) (red) or Mouse IgG1 Isotype Control (66360-1-Ig, Clone: T1F8D3F10). Cells were not fixed.



1X10⁶ human PBMCs were surface stained with 5 ul Cardinal Red™ Anti-Human CD81 (CR-65195, Clone:5A6) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.