

For Research Use Only

# APC Anti-Human CD27 (O323)

Catalog Number: APC-65132



## Basic Information

**Catalog Number:**

APC-65132

**Size:**

100 tests, 5 µl/test

**Source:**

Mouse

**Isotype:**

IgG1, kappa

**GenBank Accession Number:**

BC012160

**GeneID (NCBI):**

939

**ENSEMBL Gene ID:**

ENSG00000139193

**UNIPROT ID:**

P26842

**Full Name:**

CD27 molecule

**Calculated MW:**

29 kDa

**Purification Method:**

Affinity purification

**CloneNo.:**

O323

**Excitation/Emission maxima wavelengths:**

650 nm / 660 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

Human

## Background Information

CD27 (also known as TNFRSF7) is a type I glycoprotein expressed on some B cells and the majority of T cells, and is a member of the tumor necrosis factor (TNF) receptor family. CD27 is required for generation and long-term maintenance of T cell immunity (PMID: 11062504). It is a receptor for CD70 (CD27L). Ligation of CD27 by CD70 induces strong ubiquitination of TRAF and the activation of both canonical and non-canonical NF-kappaB pathways, as well as the JNK pathway (PMID: 19426224). CD27 may also play a role in apoptosis through association with SIVA1.

## Storage

**Storage:**

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

**Storage Buffer:**

Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

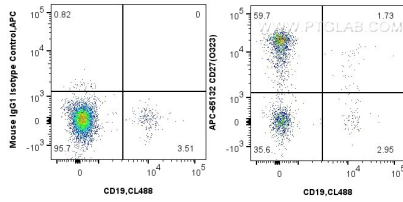
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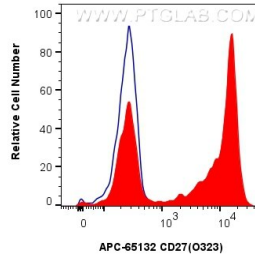
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul APC Anti-Human CD27 (O323) (APC-65132, Clone:O323) or APC Mouse IgG1 Isotype Control (MOPC-21) (APC-65124, Clone: MOPC-21), and 5 ul CoraLite® Plus 488 Anti-Human CD19 (HIB19) (CL488-65110, Clone: HIB19). Cells were not fixed.



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