

For Research Use Only

# Anti-Human CD27 (O323) Mouse IgG2a Recombinant Antibody, PBS Only

Catalog Number: 65627-1-PBS



## Basic Information

Catalog Number:

65627-1-PBS

Concentration:

1mg, 2 mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC012160

GeneID (NCBI):

939

ENSEMBL Gene ID:

ENSG00000139193

Full Name:

CD27 molecule

Calculated MW:

29 kDa

Purification Method:

Protein A purification

CloneNo.:

O323

## 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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

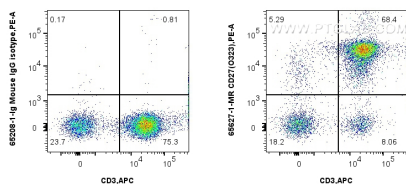
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

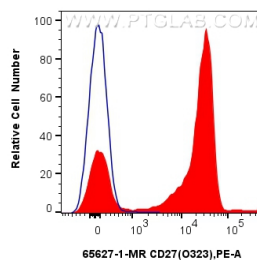
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD27 (O323) Mouse IgG2a Recombinant Antibody (65627-1-MR, Clone:O323) or 0.25 ug Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4), and PE-conjugated Goat Anti-Mouse IgG. Cells were then stained with APC Anti-Human CD3. Cells were not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 65627-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD27 (O323) Mouse IgG2a Recombinant Antibody (65627-1-MR, Clone: O323) (red) or 0.25 ug Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4) (blue), and PE-conjugated Goat Anti-Mouse IgG. Cells were not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 65627-1-PBS in a different storage buffer formulation.