

For Research Use Only

# CoraLite® Plus 647 Anti-Human CD27 (O323) Mouse IgG2a Recombinant Antibody

Catalog Number: **CL647-65627**



## Basic Information

Catalog Number:

CL647-65627

Size:

100tests , 5 ul/test

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

Excitation/Emission maxima wavelengths:

654 nm / 674 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:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

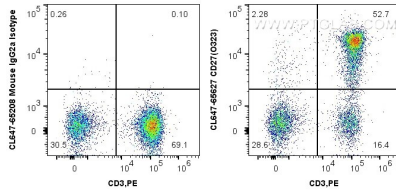
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

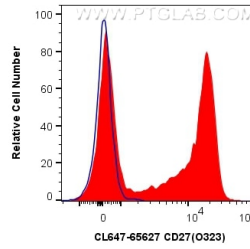
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with PE Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (PE-65569, Clone: OKT3) and 5 ul CoraLite® Plus 647 Anti-Human CD27 (O323) Mouse IgG2a Recombinant Antibody (CL647-65627, Clone:O323) or 5 ul CoraLite® Plus 647 Mouse IgG2a Isotype Control (C1.18.4) (CL647-65208, Clone: C1.18.4), and 5 ul. Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD27 (O323) Mouse IgG2a Recombinant Antibody (CL647-65627, Clone:O323) or CoraLite® Plus 647 Mouse IgG2a Isotype Control (C1.18.4) (CL647-65208, Clone: C1.18.4). Cells were not fixed. Lymphocytes were gated.