

For Research Use Only

FcZero-rAb® Biotin Anti-Mouse CD27 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98160



Basic Information

Catalog Number:

Biotin-FcA98160

Size:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1311

GenBank Accession Number:

NM_001033126.2

GeneID (NCBI):

21940

UNIPROT ID:

P41272

Full Name:

CD27 antigen

Calculated MW:

28kDa

Purification Method:

Protein A purification

CloneNo.:

241378E11

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

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Applications

Tested Applications:

FC, ELISA

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

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, 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)

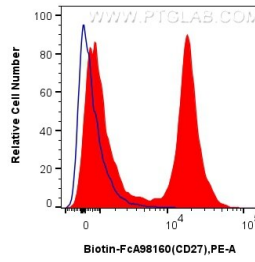
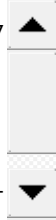
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD27 Rabbit RecAb (Biotin-FcA98160, Clone: 241378E11) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were then stained with FcZero-rAb® CoraLite® Plus 405 Anti-Mouse CD3e (145-2C11) Rabbit Recombinant Antibody (CL405-FcA65651, Clone: 145-2C11). Cells were not



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD27 Rabbit RecAb (Biotin-FcA98160, Clone: 241378E11) (red) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.