CoraLite®594 Anti-Human CD27 Rabbit Recombinant Antibody

Catalog Number:CL594-98346-3

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL594-98346-3

Size:
100tests , 5 ul/test

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG1644

GenBank Accession Number:
BC012160

GeneID (NCBI):
939

ENSEMBL Gene ID:
ENSG00000139193

UNIPROT ID:
P26842

Full Name:
CD27 molecule

Calculated MW:
29 kDa

Purification Method:
Protein A purification

CloneNo.:
242731G8

Recommended Dilutions:
FC: 5 ul per 10^6 cells in a 100 μl suspension

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : human PBMCs,

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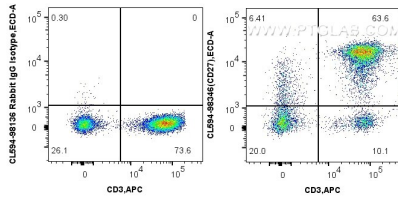PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

Selected Validation Data

1x10^6 human PBMCs were surface stained with APC Anti-Human CD3, and 5 ul CoraLite®594 Anti-Human CD27 Rabbit RecAb (CL594-98346-3, Clone: 242731G8) or CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.
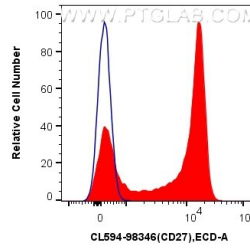
1x10^6 human PBMCs were surface stained with 5 ul CoraLite®594 Anti-Human CD27 Rabbit RecAb (CL594-98346-3, Clone: 242731G8) (red) or CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.