

For Research Use Only

# CoraLite® Plus 647 Anti-Human CD40 Rabbit scFv Antibody

Catalog Number: CL647-SF98191



## Basic Information

Catalog Number:

CL647-SF98191

Source:

Rabbit

Type:

scFv

Immunogen Catalog Number:

EG1797

GenBank Accession Number:

NM\_001250.6

GeneID (NCBI):

958

ENSEMBL Gene ID:

ENSG00000101017

Full Name:

CD40 molecule, TNF receptor superfamily member 5

Calculated MW:

31kDa

Purification Method:

Affinity purification

CloneNo.:

241760A9

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

## Background Information

CD40, also named as TNFRSF5 and Bp50, is a receptor for TNFSF5/CD40LG. It is a member of the TNFR superfamily and is responsible for the efficient activation of cell-mediated and humoral immune responses via activated T cells and B cells, respectively. Defects in CD40 lead to hyper-IgM immunodeficiency syndrome type 3 (HIGM3) (PMID: 11675497). This is an autosomal recessive disorder that includes the inability of B cells to undergo isotype switching, a key step in the final differentiation of the humoral immune response, and an inability to mount an antibody-specific immune response.

## Storage

Storage:

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

Storage Buffer:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin300, pH7.3

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

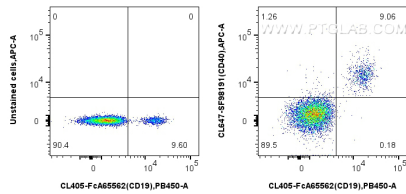
T: 4006900926

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

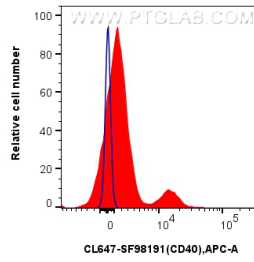
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with CoraLite® Plus 405 Anti-Human CD19 (4G7), and 0.25 ug CoraLite® Plus 647 Anti-Human CD40 Rabbit scFv Antibody (CL647-SF98191, Clone: 241760A9) or unstained. Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Human CD40 Rabbit scFv Antibody (CL647-SF98191, Clone: 241760A9) (red), or unstained (blue). Cells were not fixed. Lymphocytes were gated.