

For Research Use Only

CoraLite®594 Anti-Human CD40 Rabbit Recombinant Antibody

Catalog Number: CL594-98191



Basic Information

Catalog Number:

CL594-98191

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1797

GenBank Accession Number:

NM_001250.6

GeneID (NCBI):

958

ENSEMBL Gene ID:

ENSG00000101017

UNIPROT ID:

P25942-1

Full Name:

CD40 molecule, TNF receptor superfamily member 5

Calculated MW:

31kDa

Purification Method:

Protein A purification

CloneNo.:

241760A9

Recommended Dilutions:

FC: 5 µl per 10⁶ 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

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:

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

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

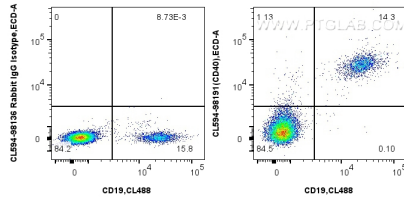
T: 4006900926

E: Proteintech-CN@ptglab.com

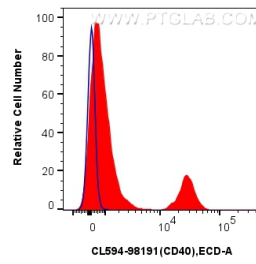
W: ptgcn.com

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

Selected Validation Data



1x10⁶ human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD19 (4G7) Mouse IgG2a Recombinant Antibody (CL488-65562, Clone: 4G7), and 5 ul CoraLite®594 Anti-Human CD40 Rabbit RecAb (CL594-98191, Clone: 241760A9) or CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite®594 Anti-Human CD40 Rabbit RecAb (CL594-98191, Clone: 241760A9) (red) or CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9) (blue). Cells were not fixed.