

For Research Use Only

CoraLite® Plus 405 Anti-Human CD40 Rabbit Recombinant Antibody

Catalog Number:CL405-98191



Basic Information

Catalog Number:

CL405-98191

Concentration:

100tests, 5 ul/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 ul per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

399 nm / 422 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:

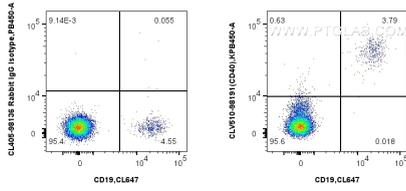
T: 4006900926

E: Proteintech-CN@ptglab.com

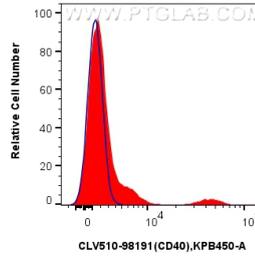
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with CoraLite® Plus 647 Anti-Human CD19, and 5 ul CoraLite® Plus 405 Anti-Human CD40 Rabbit RecAb (CL405-98191, Clone: 241760A9) or CoraLite® Plus 405 Rabbit IgG Isotype Control Recombinant Antibody (CL405-98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 405 Anti-Human CD40 Rabbit RecAb (CL405-98191, Clone: 241760A9) (red) or CoraLite® Plus 405 Rabbit IgG Isotype Control Recombinant Antibody (CL405-98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.