

For Research Use Only

FcZero-rAb® CoraLite® Plus 488 Anti-Human CD46 Rabbit Recombinant Antibody

Catalog Number: CL488-FcA98240



Basic Information

Catalog Number:

CL488-FcA98240

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1770

GenBank Accession Number:

NM_172351.3

GeneID (NCBI):

4179

UNIPROT ID:

P15529-11

Full Name:

CD46 molecule, complement regulatory protein

Calculated MW:

42kDa

Purification Method:

Protein A purification

CloneNo.:

241764C9

Recommended Dilutions:

FC: 5 µl per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

Background Information

CD46, also known as Membrane cofactor protein (MCP) or MIC10, is a ubiquitously expressed type I transmembrane glycoprotein that acts as a cofactor for complement factor I to mediate inactivation of C3b and C4b deposited on host cells. CD46 is a receptor for a large number of pathogens, including measles virus and adenovirus (PMID: 20941397). CD46 plays a role in linking innate and adaptive immune responses. It may be involved in the fusion of the spermatozoa with the oocyte during fertilization. Mutations of the CD46 gene have been associated with some diseases including hemolytic uremic syndrome (PMID: 26054645). CD46 is expressed on most cells as four isoforms that are derived via alternative splicing (PMID: 15324743).

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:

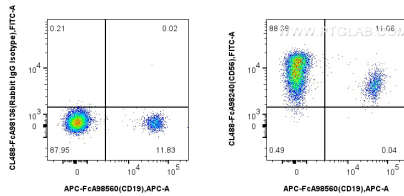
T: 4006900926

E: Proteintech-CN@ptglab.com

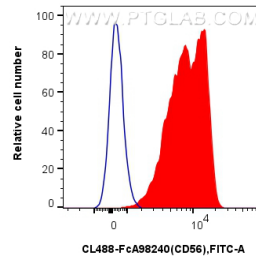
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with FcZero-rAb® APC Anti-Human CD19, and 5 ul CoraLite® Plus 488 Anti-Human CD46 Rabbit RecAb (CL488-FcA98240, Clone: 241764C9) or FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD46 Rabbit RecAb (CL488-FcA98240, Clone: 241764C9) (red) or FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.