

For Research Use Only

FcZero-rAb™ APC-Cyanine7 Anti-Human CD4 (OKT4) Rabbit IgG Recombinant Antibody

Catalog Number: AY7-FcA65603



Basic Information

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|-----------------|----------------------|---------------------------|-----------------|---|---|
| Catalog Number: | AY7-FcA65603 | GenBank Accession Number: | BC025782 | Purification Method: | Protein A purification |
| Concentration: | 100 tests, 5 µl/test | GeneID (NCBI): | 920 | Clone No.: | OKT4 |
| Source: | Rabbit | ENSEMBL Gene ID: | ENSG00000010610 | Recommended Dilutions: | FC: 5 µl per 10 ⁶ cells in a 100 µl suspension |
| Isotype: | IgG | UNIPROT ID: | P01730 | Excitation/Emission maxima wavelengths: | 650 nm / 778 nm |
| | | Full Name: | CD4 molecule | | |
| | | Calculated MW: | 55 kDa | | |

Applications

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|----------------------|-------|--------------------|
| Tested Applications: | FC | Positive Controls: |
| Species Specificity: | human | FC : human PBMCs, |

Background Information

CD4 is a 55-kDa transmembrane glycoprotein expressed on T helper cells, majority of thymocytes, monocytes, macrophages, and dendritic cells (PMID: 9304802; 12213222). CD4 is an accessory protein for MHC class-II antigen/T-cell receptor interaction. It plays an important role in T helper cell development and activation (PMID: 9539765; 3112582). CD4 serves as a receptor for the human immunodeficiency virus (HIV) (PMID: 9304802).

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:

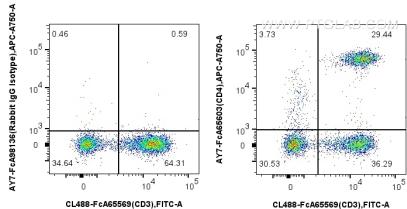
T: 4006900926

E: Proteintech-CN@ptglab.com

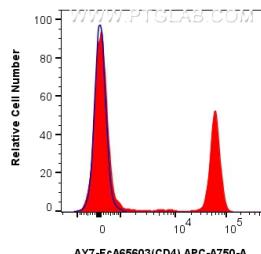
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Human CD3 (OKT3), and 5 μ l APC-Cyanine7 Anti-Human CD4 (OKT4) Rabbit IgG RecAb (AY7-FcA65603, Clone:OKT4) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 μ l APC-Cyanine7 Anti-Human CD4 (OKT4) Rabbit IgG RecAb (AY7-FcA65603, Clone:OKT4) (red) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed. Lymphocytes were gated.