

For Research Use Only

FcZero-rAb® PE-Cyanine5 Anti-Human CD4 Rabbit Recombinant Antibody

Catalog Number: PY5-FcA98042



Basic Information

Catalog Number:

PY5-FcA98042

Size:

100 tests, 5 ul/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0333

GenBank Accession Number:

BC025782

GeneID (NCBI):

920

ENSEMBL Gene ID:

ENSG00000010610

UNIPROT ID:

P01730

Full Name:

CD4 molecule

Calculated MW:

55 kDa

Purification Method:

Protein A purification

CloneNo.:

240427E12

Recommended Dilutions:

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

Excitation/Emission maximum wavelengths:

496 nm, 565 nm / 666 nm

Applications

Tested Applications:

FC

Species Specificity:

human, monkey, non-human primates

Positive Controls:

FC : human PBMCs,

Background Information

CD4 is a 55-kDa transmembrane glycoprotein expressed on T helper cells, the 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

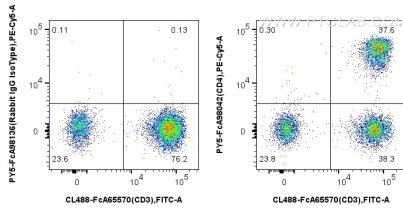
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

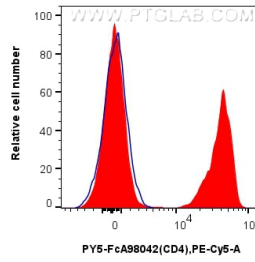
E: proteintech@ptglab.com
W: ptglab.com

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 CD3 (UCHT1) and 5 ul PE-Cyanine5 Anti-Human CD4 Rabbit RecAb (PY5-FcA98042, Clone:240427E12), or 5 ul Rabbit IgG Isotype Control RecAb (PY5-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 ul PE-Cyanine5 Anti-Human CD4 Rabbit RecAb (PY5-FcA98042, Clone:240427E12)(red), or 5 ul Rabbit IgG Isotype Control RecAb (PY5-FcA98136, Clone: 240953C9)(blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent(PF00020) prior to staining. Cells were not fixed. Lymphocytes were gated.