For Research Use Only

CoraLite® Plus 488 Anti-Human CD4 Rabbit Recombinant Antibody

Catalog Number:CL488-98042

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-98042

Size:
100tests , 5 µl/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:
51 kDa

Purification Method:
Protein A purification

CloneNo.:
240427E12

Recommended Dilutions:
FC: 5 ul per 10^6 cells in 100 µl suspension

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC

Species Specificity:
human, cynomolgus monkey

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).

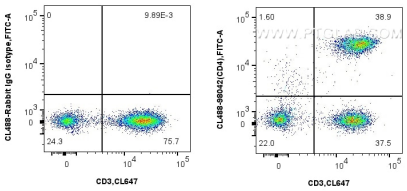
Storage

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

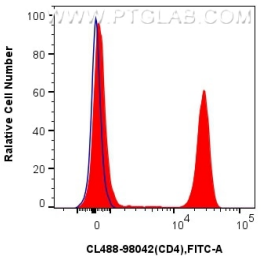
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10^6 human PBMCs were surface stained with CoraLite® Plus 647 Anti-Human CD3 and 5 ul CoraLite® Plus 488 Anti-Human CD4 Rab bit Recombinant Antibody (CL488-98042, Clone:240427E12)(right), or Isotype Control(left). Cells were not fixed. Lymphocytes were gated.



1x10^6 human PBMCs were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD4 Rabbit Recombinant Antibody (CL488-98042, Clone:240427E12)(red), or Isotype Control(blue). Cells were not fixed. Lymphocytes were gated.