

For Research Use Only

# CoraLite®647-conjugated Anti-Human CD4 (OKT4)



Catalog Number: CL647-65134

## Basic Information

Catalog Number:

CL647-65134

Size:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG2b

GenBank Accession Number:

BC025782

GeneID (NCBI):

920

Full Name:

CD4 molecule

Calculated MW:

55 kDa

Purification Method:

Affinity purification

CloneNo.:

OKT4

Excitation/Emission maxima wavelengths:

650 nm/665 nm

## Applications

Tested Applications:

FC

Species Specificity:

Human

## 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.

Storage Buffer:

PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

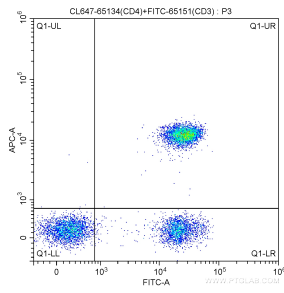
For technical support and original validation data for this product please contact:

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

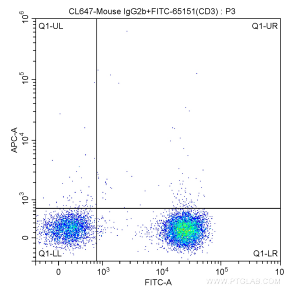
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



$1 \times 10^6$  human peripheral blood lymphocytes were surface stained with FITC Anti-Human CD3 (FITC-65151, Clone: UCHT1) and 5.00  $\mu$ l CoraLite@647-conjugated Anti-Human CD4 (CL647-65134, Clone: OKT4). Cells were not fixed.



$1 \times 10^6$  human peripheral blood lymphocytes were surface stained with FITC Anti-Human CD3 (FITC-65151, Clone: UCHT1) and CoraLite@647-conjugated Mouse IgG2b isotype control antibody. Cells were not fixed.