

For Research Use Only

# FITC Plus Anti-Human CD4 (OKT4)

Catalog Number: FITC-65134 **2 Publications**



## Basic Information

Catalog Number:

FITC-65134

Concentration:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC025782

GeneID (NCBI):

920

ENSEMBL Gene ID:

ENSG00000010610

UNIPROT ID:

P01730

Full Name:

CD4 molecule

Calculated MW:

55 kDa

Purification Method:

Affinity purification

CloneNo.:

OKT4

Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

## Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

human

Cited Species:

human

Positive Controls:

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).

## Notable Publications

| Author     | Pubmed ID | Journal       | Application |
|------------|-----------|---------------|-------------|
| Guopin Pan | 35131482  | Pharmacol Res | FC          |
| Lin-Na Li  | 39689341  | Autoimmunity  | FC          |

## 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:

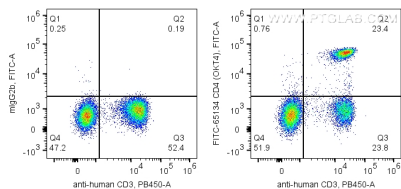
T: 4006900926

E: Proteintech-CN@ptglab.com

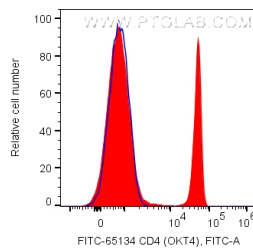
W: ptgcn.com

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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface co-stained with Anti-Human CD3 and 5 ul FITC Plus Anti-Human CD4 (FITC-65134, Clone:OKT4), or 5 ul Mouse IgG2b Isotype Control. Cells were not fixed. Lymphocytes were gated.



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