

For Research Use Only

CoraLite® Plus 647 Anti-Human CD4 (OKT4) Mouse IgG2a Recombinant Antibody

Catalog Number: **CL647-65603**



Basic Information

Catalog Number:

CL647-65603

Concentration:

100tests, 5 ul/test

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC025782

GeneID (NCBI):

920

ENSEMBL Gene ID:

ENSG00000010610

Full Name:

CD4 molecule

Calculated MW:

55 kDa

Purification Method:

Protein A purification

CloneNo.:

OKT4

Recommended Dilutions:

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

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC

Species Specificity:

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).

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:

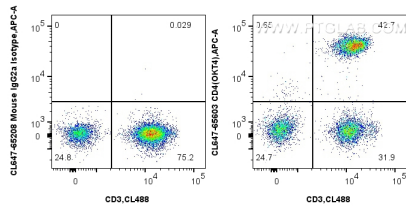
T: 4006900926

E: Proteintech-CN@ptglab.com

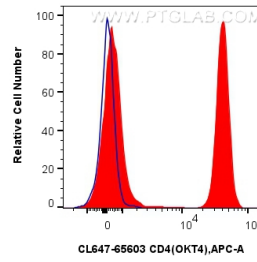
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD3, and 5 ul CoraLite® Plus 647 Anti-Human CD4 (OKT4) Mouse IgG2a RecAb (CL647-65603, Clone: OKT4) or CoraLite® Plus 647 Mouse IgG2a Isotype Control (C1.18.4) (CL647-65208, Clone: C1.18.4). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD4 (OKT4) Mouse IgG2a RecAb (CL647-65603, Clone: OKT4) (red) or CoraLite® Plus 647 Mouse IgG2a Isotype Control (C1.18.4) (CL647-65208, Clone: C1.18.4) (blue). Cells were not fixed.