

For Research Use Only

PE-Cyanine7 Anti-Human CD4 (SK3)

Catalog Number: PY7-65147



Basic Information

Catalog Number:

PY7-65147

Size:

100 tests, 5 ul/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC025782

GeneID (NCBI):

920

ENSEMBL Gene ID:

ENSG00000010610

Full Name:

CD4 molecule

Calculated MW:

55 kDa

Purification Method:

Affinity purification

CloneNo.:

SK3

Excitation/Emission maxima wavelengths:

450-500 nm / 778 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

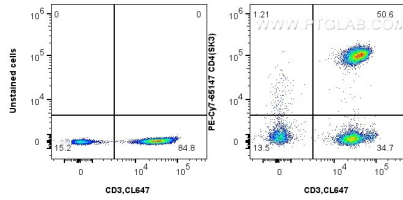
For technical support and original validation data for this product please contact:

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul PE-Cyanine7 Anti-Human CD4 (SK3) (PY7-65147, Clone: SK3) or unstained. Cells were co-stained with CoraLite® Plus 647 Anti-Human CD3 (UCHT1) (CL647-65151, Clone: UCHT1). Cells were not fixed. Lymphocytes were gated.