

For Research Use Only

FITC Anti-human CD4 (RPA-T4)

Catalog Number: FITC-65143



Basic Information

Catalog Number: FITC-65143	GenBank Accession Number: BC025782	Purification Method: Affinity purification
Size: 100tests, Concentration: 5 µl(1µg)/test by Bradford method using BSA as the standard;	GeneID (NCBI): 920	CloneNo.: RPA-T4
Source: Mouse	Full Name: CD4 molecule	
Isotype: IgG1	Calculated MW: 55 kDa	

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

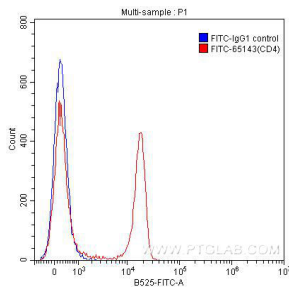
Storage:
Store at 2-8°C. Avoid exposure to light.

Storage Buffer:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

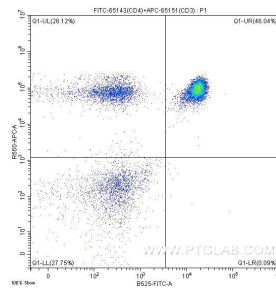
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with 1 ug FITC-anti-human CD4 (FITC-65143, clone RPA-T4) (red) or 1 ug FITC-mouse IgG1 isotype control (blue). Samples were not fixed.



0.1 mL human whole blood cells were surface stained with 1 ug APC-anti-human CD3 (APC-65151, clone UCHT1) and 1 ug FITC-anti-human CD4 (FITC-65143, clone RPA-T4). Samples were then treated with red blood cell lysis buffer and were gated for lymphocytes for analysis of CD3 and CD4 staining. Samples were not fixed.