

For Research Use Only

PE Anti-Mouse CD4 (RM4-5)

Catalog Number: **PE-65141** 2 Publications



Basic Information

Catalog Number: PE-65141	GenBank Accession Number: BC039137	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 12504	CloneNo.: RM4-5
Source: Rat	UNIPROT ID: P06332	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG2a, kappa	Full Name: CD4 antigen	

Applications

Tested Applications:
FC

Cited Applications:
FC

Species Specificity:
Mouse

Cited Species:
mouse

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
Qinmei Ma	38016969	Cell Death Discov	FC
Li-Ping Jiang	36738827	J Thromb Haemost	FC

Storage

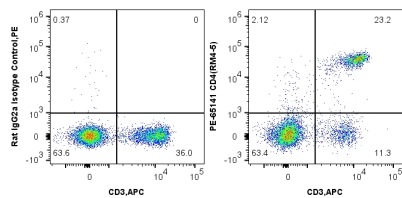
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface co-stained with APC Anti-Mouse CD3 (17A2) and 0.25 ug PE Anti-Mouse CD4 (PE-65141, Clone:RM4-5) or 0.25 ug PE Rat IgG2a Isotype Control. Cells were not fixed.