

For Research Use Only

CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5)

Catalog Number: CL647-65104 **2 Publications**



Basic Information

Catalog Number: CL647-65104	GenBank Accession Number: BC039137	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 12504	CloneNo.: GK1.5
Source: Rat	UNIPROT ID: P06332	Recommended Dilutions: IF/ICC 1:250-1:1000
Isotype: IgG2b, kappa	Full Name: CD4 antigen	Excitation/Emission maxima wavelengths: 654 nm / 674 nm

Applications

Tested Applications: IF/ICC, FC	Positive Controls: IF/ICC : mouse splenocytes,
Cited Applications: IF	
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
Yinghui Shang	36034656	Front Chem	IF
Hui Qiu	39075517	J Transl Med	IF

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.

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

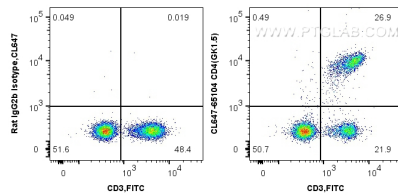
T: 4006900926

E: Proteintech-CN@ptglab.com

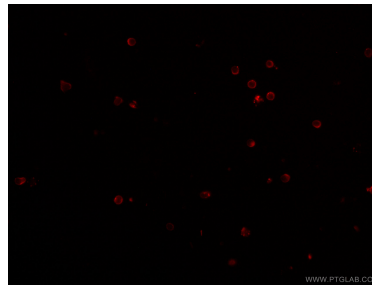
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ mouse splenocytes were surface stained with FITC Anti-Mouse CD3 (FITC-65077, Clone: 17A2) and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD4 (CL647-65104, Clone: GK1.5) or CoraLite® Plus 647-Conjugated rat IgG2b isotype control. Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite® Plus 647-conjugated Anti-Mouse CD4 (CL647-65104, Clone: GK1.5) at dilution of 1:500.