For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD4 (GK1.5)

Catalog Number:CL488-65104 2 Publications

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-65104

Concentration:
100ug, 500 ug/ml

Source:
Rat

Isotype:
IgG2b, kappa

GenBank Accession Number:
BC039137

GeneID (NCBI):
12504

UNIPROT ID:
P06332

Full Name:
CD4 antigen

Purification Method:
Affinity purification

CloneNo.:
GK1.5

Recommended Dilutions:
IF/ICC: 1:250-1:1000
FC: 0.25 ug per 10^6 cells in 100 µl suspension

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC, FC

Cited Applications:
IF, FC

Species Specificity:
mouse

Cited Species:
mouse

Positive Controls:

IF/ICC : mouse splenocytes,

FC : mouse splenocytes,

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
Yue Zhang	42124329	Cancer Biol Ther	IF
Renming Fan	38572099	Acta Pharm Sin B	FC

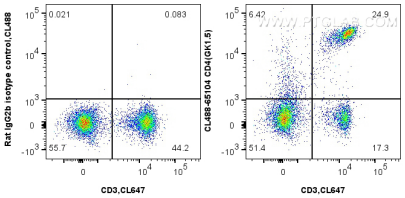
Storage

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

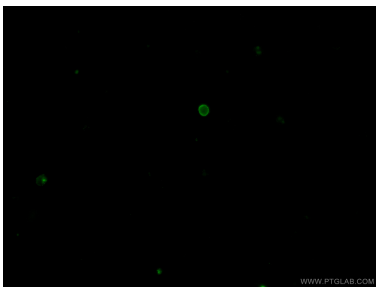
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1X10^6 mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse CD4 (CL488-65104, Clone:GK1.5) or 0.25 ug CoraLite® Plus 488 Rat IgG2b Isotype Control (LTF-2) (CL488-65211, Clone: LTF-2), and 0.25 ug CoraLite® Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2). Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite® Plus 488-conjugated Anti-Mouse CD4 (CL488-65104, Clone: GK1.5) at dilution of 1:500.