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

Catalog Number: CL488-65104   **1 Publications**

proteintech®
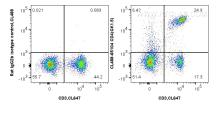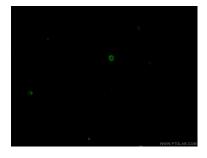Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number: CL488-65104	**GenBank Accession Number:** BC039137	**Purification Method:** Affinity purification
Size: 100ug, 500 μg/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:** 493 nm / 522 nm

Applications

Tested Applications:
IF/ICC, FC

Cited Applications:
FC

Species Specificity:
mouse

Cited Species:
mouse

Positive Controls:

IF/ICC : 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
Renming Fan	38572099	Acta Pharm Sin B	FC

Storage

Storage:
Store at 2-8℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

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.