

For Research Use Only

FITC Plus Anti-Mouse CD25/IL-2RA (PC61.5)

Catalog Number: FITC-65137

5 Publications



Basic Information

Catalog Number:

FITC-65137

Concentration:

100ug, 0.5 mg/mL

Source:

Rat

Isotype:

IgG1, lambda

GenBank Accession Number:

BC114437

GeneID (NCBI):

16184

UNIPROT ID:

P01590

Full Name:

interleukin 2 receptor, alpha chain

Purification Method:

Affinity purification

CloneNo.:

PC61.5

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in 100 μ l suspension

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

mouse

Cited Species:

mouse

Positive Controls:

FC : anti-CD3/CD28 treated mouse splenocytes,

Background Information

Proliferation of T lymphocytes is triggered by the interaction of IL-2 with its specific receptor following T lymphocyte activation. The receptor for IL-2 has three forms, generated by different combinations of three different proteins, the alpha chain (IL-2R alpha), the beta chain (IL-2R beta), and the gamma chain (IL-2R gamma) (PMID: 8476561). IL-2R alpha (also known as CD25) is a type I transmembrane protein present on activated T cells, activated B cells, some thymocytes, myeloid precursors, and oligodendrocytes. CD25 is also found on natural CD4⁺Foxp3⁺ Treg cells (PMID: 22585674).

Notable Publications

Author	Pubmed ID	Journal	Application
Li Wu	35344716	Phytomedicine	FC
Guanhong Guo	40424799	J Colloid Interface Sci	FC
Hui Meng	39261658	Oncogene	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, pH7.3

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

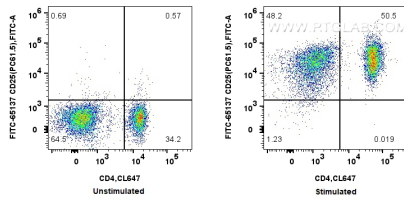
T: 4006900926

E: Proteintech-CN@ptglab.com

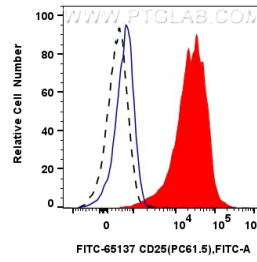
W: ptgcn.com

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Selected Validation Data



1x10⁶ untreated or anti-CD3/CD28 treated (2 days) mouse splenocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD4 and 0.25 ug FITC Plus Anti-Mouse CD25 (PC61.5) (FITC-65137, Clone: PC61.5). Cells were not fixed.



1x10⁶ anti-CD3/CD28 treated (2 days) mouse splenocytes were surface stained with 0.25 ug FITC Plus Anti-Mouse CD25 (PC61.5) (FITC-65137, Clone: PC61.5) (red) or 0.25 ug FITC Plus Rat IgG1 Isotype Control (HRPN) (FITC-65212, Clone: HRPN) (blue). 1x10⁶ untreated mouse splenocytes were surface stained with 0.25 ug FITC Plus Anti-Mouse CD25 (PC61.5) (FITC-65137, Clone: PC61.5) (black, dashed). Cells were not fixed.