

For Research Use Only

APC Anti-Mouse CD25 (PC61.5)

Catalog Number: APC-65137

3 Publications



Basic Information

Catalog Number: APC-65137	GenBank Accession Number: BC114437	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 16184	CloneNo.: PC61.5
Source: Rat	Full Name: interleukin 2 receptor, alpha chain	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG1, lambda		

Applications

Tested Applications:
FC

Cited Applications:
FC

Species Specificity:
Mouse

Cited Species:
mouse

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
Tao Wang	38115100	J Neuroinflammation	FC
Zhuo Cheng	37544392	Acta Biomater	FC

Storage

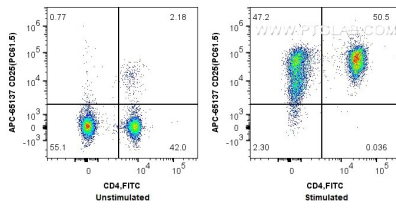
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA.

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Selected Validation Data



1X10⁶ untreated or anti-CD3/CD28 treated (2 days) mouse splenocytes were co-surface stained with FITC Plus Anti-Mouse CD4 (GK1.5) and 0.25 ug APC Anti-Mouse CD25 (APC-65137, Clone:PC61.5) or 0.25 ug APC Rat IgG1 Isotype Control (HRPN). Cells were not fixed.