

For Research Use Only

PE Anti-Mouse CD25 (PC61.5)

Catalog Number: PE-65137



Basic Information

Catalog Number: PE-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: 496 nm, 565 nm / 578 nm
Isotype: IgG1, lambda		

Applications

Tested Applications:
FC

Species Specificity:
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).

Storage

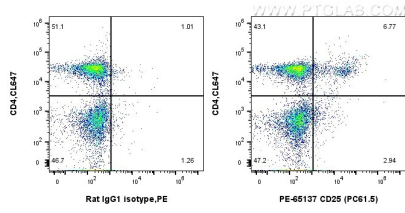
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



1X10⁶ mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Human CD4 and 0.5 ug PE Anti-Mouse CD25 (PE-65137, Clone:PC61.5) or 0.5 ug PE Rat IgG1 Isotype Control (HRPN) (PE-65212, Clone: HRPN). Cells were not fixed.